



REPORT OF THE
Hydro-Electric Power
Commission
OF ONTARIO
1939

WILLS MACLACHLAN

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PIONEER POWER LINES IN NORTHERN ONTARIO
Typical wishbone pole on 66,000-volt transmission line,
Uchi junction to Crow River transformer station,
Northern Ontario Properties

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*Ontario Hydro-Electric
Power Commission*
(THIRTY-SECOND) ANNUAL REPORT

OF

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

FOR THE YEAR ENDED OCTOBER 31st

1939



ONTARIO

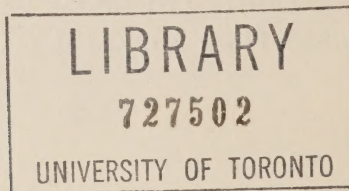
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1940

THE HYDRO-ELECTRIC POWER COMMISSION
OF ONTARIO

T. H. HOGG, B.A.Sc., C.E. D.ENG.....*Chairman and Chief Engineer*
HON. WM. L. HOUCK, B.Sc., M.L.A.....*Vice-Chairman*
J. ALBERT SMITH, M.L.A.....*Commissioner*
OSBORNE MITCHELL.....*Secretary*



CHAIRMAN'S LETTER OF TRANSMITTAL

To His Honour

THE HONOURABLE ALBERT MATTHEWS, LL.D.,

Lieutenant-Governor of Ontario

MAY IT PLEASE YOUR HONOUR:

The undersigned respectfully presents the Thirty-Second Annual Report of The Hydro-Electric Power Commission of Ontario for the fiscal year which ended October 31, 1939.

The record of the Commission's work presented in this Annual Report relates to three principal fields—the co-operative municipal field, the field of rural supply, and the northern Ontario field. The first two cover the Commission's activities on behalf of the co-operative systems, and the last relates to its trusteeship of the Northern Ontario Properties on behalf of the Province. Throughout the various sections of the Report dealing broadly with physical operation of the plants, constructional activities and financial statements, these fields of activity are clearly differentiated.

The Report also presents for the calendar year 1939 financial statements and statistical data relating to the municipal electric utilities operating in conjunction with the several co-operative systems for the supply of electrical service throughout the Province.

Notwithstanding the tense European situation, which over-shadowed activity everywhere, the fiscal year of The Hydro-Electric Power Commission of Ontario, which ended October 31, 1939, was a year of encouraging progress. Towards the latter part of the year, before war was declared, it became increasingly evident that the recession of 1938 had passed and peaceful industry was making progress towards better times.

Operating Conditions

Throughout the year, operating conditions were most favorable. No serious interruptions to service on any part of the Commission's undertaking occurred and all primary and secondary demands for power were satisfactorily met. The operation of all generating stations was especially free from ice trouble during the winter and spring break-up and practically no loss in generating capacity resulted from this cause.

In the Georgian Bay system, river flow and water storage were generally above normal until September when low precipitation impaired storage.

During the greater portion of the year it was necessary to supplement the system's internal power resources by transfer from the Niagara system through the Hanover frequency-changer.

The output available from the generating stations of the Eastern Ontario system enabled all primary demands to be met. In addition the system furnished certain quantities of secondary power. The demands for secondary power were filled in part by transfer from the Niagara system.

In the Thunder Bay system and Northern Ontario Properties, water storage and stream flow conditions were in general satisfactory. Towards the end of the year it was considered advisable to limit the outflow from lake Nipigon to the generating stations of the Thunder Bay system in order to conserve water storage in this basin.

The districts served by the Northern Ontario Properties are scattered over wide areas of northern Ontario and long transmission lines have been built to connect these districts with the various sources of hydro-electric power. Owing to the great distances involved, it is not economically practicable at the present time to weld the whole of the transmission networks of the Northern Ontario Properties into one physical entity. As time goes on, however, and more mining areas are developed at intermediate points, it is certain that interconnection of the districts will be accomplished to a greater degree. During the past year, for example, the Patricia and St. Joseph districts, which obtain their power supplies from the Ear Falls and Rat Rapids developments, were combined and connected by a transmission line extending from Uchi to Crow river, a distance of 113 miles. This connecting link enables the two developments at Ear Falls and Rat Rapids to be operated in parallel and thus to reinforce each other, providing a more reliable service.

Similarly in the Nipissing and Sudbury districts, interconnection has been arranged between the power plants on the South river serving the Nipissing district and those on the Wanapitei river serving the Sudbury district with 60-cycle power.

Load Conditions

Evidence of the increasing industrial activity throughout the Province was reflected in increasing power loads. In fact, for some months prior to the declaration of war, Hydro experienced substantial increase in loads, and not Hydro alone, but other electric supply organizations across Canada. Since the War started these increases in load not only continued, but were augmented as plants manufacturing war materials gradually increased their production.

It will be remembered that, due to the business recession of 1938, the primary power demand of the large Niagara system was virtually the same in October 1938 as in October 1937. But in October 1939, the corresponding power demand of the Niagara system reached 1,228,000 horsepower, an increase of 142,000 horsepower or 13 per cent, as compared with October 1938.

The other co-operative systems of the Commission, as well as the Northern Ontario Properties, recorded substantial increases in load.

The aggregate primary loads of the co-operative systems and the Northern Ontario Properties increased from 1,484,615 horsepower in October 1938 to 1,669,337 horsepower in October of the current year, a gain of 12.4 per cent. The primary load trend, which had shown a negligible rise in the previous year, started to point upwards at the close of 1938 and since has steadily gained ground. In the co-operative systems, commercial, domestic and rural demands have largely contributed to the upward trend, further aided in the last two months of the Commission's fiscal year by increases in industrial demands.

The total load in October 1939 for all co-operative systems and the Northern Ontario Properties, including both primary and secondary loads, was 1,963,471 horsepower, the highest ever carried by the systems of the Commission and 7.2 per cent above the October peak of 1938. The total consumption of energy for all systems, including both primary and secondary power, amounted to 8,502,000,000 kilowatt-hours, being 12.1 per cent in excess of that consumed in the previous year. This means that the greater portion of the Commission's power reserves, especially in the large Niagara system, found a ready sale in the secondary power market during the year.

Increased Mining Loads

During the past year progress in the Northern Ontario mining fields has continued the phenomenal growth experienced for several years. This growth has resulted in a great increase in the demand for Hydro power. From October 1938 to October 1939, the total primary load in the districts served by the Northern Ontario Properties rose from 145,000 horsepower to 168,000 horsepower, an increase of 16 per cent; this followed increases of 19.6 per cent in 1938 and 19.7 per cent in 1937. The total increase in primary load of the Northern Ontario Properties during the past four years has exceeded 100,000 horsepower or more than 150 per cent. These figures include municipal loads in northern Ontario but do not include the loads sold in the Beardmore and Longlac mining areas, which are supplied by the Thunder Bay system. The actual increase in the total load sold to mining companies during the fiscal year was 23,801 horsepower, from 127,986 horsepower to 151,787 horsepower or 18.6 per cent.

The increased load sold to mining properties in 1939 over 1938 for the Abitibi district, including the mining camps at Porcupine, Kirkland Lake, and Larder Lake, Matachewan, Ramora and Sudbury was 20,108 horsepower. The increased load sold in 1939 in the Patricia-St. Joseph district, which includes the Red Lake, Woman Lake and Pickle Lake mining areas, was 3,612 horsepower. The increase in the 60-cycle load sold to mining properties in the Sudbury district was 81 horsepower.

Taking into consideration the mining properties which had been abandoned or closed down, the total number of active contracts at October 31, 1939 was 54, a net increase of six during the year.

The accompanying tabulation gives, for the months of October and December, 1938 and 1939, the primary peak loads of the co-operative systems and of the several districts of the Northern Ontario Properties. It also gives similar data for the total primary and secondary loads.

DISTRIBUTION OF PRIMARY POWER TO SYSTEMS
20-MINUTE PEAK HORSEPOWER—SYSTEM COINCIDENT PRIMARY PEAKS

System	1938	1939
	October	
Niagara system—25-cycle.....	1,040,214	1,171,582
Dominion Power & Transmission division—66⅔-cycle.....	46,515	56,970
Georgian Bay system.....	30,891	34,756
Eastern Ontario system.....	128,586	141,908
Thunder Bay system.....	93,606	96,160
Manitoulin rural power district.....	205	273
Northern Ontario Properties:		
Nipissing district.....	4,857	5,188
Sudbury district.....	17,895	19,740
Abitibi district.....	113,160	130,968
Patricia-St. Joseph district.....	8,686	11,792
Total.....	1,484,615	1,669,337
	December	
Niagara system—25-cycle.....	1,112,466	1,253,754
Dominion Power & Transmission division—66⅔-cycle.....	48,123	59,249
Georgian Bay system.....	34,011	37,642
Eastern Ontario system.....	132,001	145,542
Thunder Bay system.....	83,773	85,328
Manitoulin rural power district.....	257	306
Northern Ontario Properties:		
Nipissing district.....	5,255	5,232
Sudbury district.....	17,954	20,275
Abitibi district.....	124,203	145,703
Patricia-St. Joseph district.....	9,196	12,440
Total.....	1,567,239	1,765,471

Additions to Generating, Transmission and Distribution Equipment

No extensions to generating equipment were made in connection with the co-operative systems in 1939, but at DeCew Falls additional pondage was provided and elsewhere studies were made relating to possible future development. These studies dealt with power sites on the Musquash river in the Georgian Bay system, on the Madawaska river in the Eastern Ontario system, and on the Nipigon river in the Thunder Bay system.

In the Toronto suburban area a new transformer station with an initial capacity of 50,000 kv-a in two units was authorized. It is known as the Toronto-Fairbank transformer station and will supply power to the northern suburban districts of Toronto and to various municipalities between Toronto and lake Simcoe. A transformer station is being constructed near Simcoe to improve the power supply to municipalities south of Brant transformer station, and another at the Ontario Paper Co. plant in Thorold. Additional capacity was installed where required in other transformer stations.

DISTRIBUTION OF POWER TO SYSTEMS—PRIMARY AND SECONDARY
20-MINUTE PEAK HORSEPOWER—SYSTEM COINCIDENT PRIMARY PEAKS

System	1938	1939
	October	
Niagara system—25-cycle.....	1,259,115	1,358,177
Dominion Power & Transmission division 66⅔-cycle.....	46,515	56,970
Georgian Bay system.....	30,891	34,756
Eastern Ontario system.....	159,249	168,958
Thunder Bay system.....	131,394	118,740
Manitoulin rural power district.....	205	273
Northern Ontario Properties:		
Nipissing district.....	4,857	5,188
Sudbury district.....	17,895	19,740
Abitibi district.....	172,409	188,877
Patricia-St. Joseph district.....	8,686	11,792
Total.....	1,831,216	1,963,471
	December	
Niagara system—25-cycle.....	1,359,786	1,448,928
Dominion Power & Transmission division 66⅔-cycle.....	48,123	59,249
Georgian Bay system.....	34,011	38,145
Eastern Ontario system.....	161,103	155,214
Thunder Bay system.....	132,399	122,413
Manitoulin rural power district.....	257	306
Northern Ontario Properties:		
Nipissing district.....	5,255	5,232
Sudbury district.....	17,954	20,275
Abitibi district.....	185,999	197,982
Patricia-St. Joseph district.....	9,196	12,440
Total.....	1,954,083	2,060,184

Twenty-three new distributing stations were installed or under construction during the year, and the transformer capacity of twenty-five other distributing stations was increased. About 31 miles of new transmission lines were placed in service and many revisions and improvements to existing lines were made.

To provide for the growth in load in the mining areas served by the Northern Ontario Properties, it has been necessary for the Commission constantly to increase generating plant capacity, to construct additional transmission lines, to enlarge existing and construct new transformer stations and, in general, to rearrange in many instances the entire set-up under which power delivery has been made. In fact, the increase in the power demand from both existing and new mining properties has been so rapid that it has been difficult to provide plant and equipment fast enough to prevent embarrassment to mining operations, from the standpoint of power supply.

New works constructed in 1939, or under construction at the end of the year to provide for increased loads included the following:

In the Abitibi district, a new 15,000 kv-a transformer station at Timmins replacing a 9,000 kv-a station; a loop transmission line out of the Timmins transformer station; a new bank of three 9,000 kv-a transformers at Kirkland Lake, increasing its capacity to 57,000 kv-a, and a new 1,000 kv-a transformer station at Westree to supply power to the Tyranite and Ronda mines.

In the Patricia-St. Joseph district, which serves the mining areas of Red Lake, Woman Lake and Pickle Lake, a third generating unit of 7,500 horsepower was installed at the Ear Falls development and will be placed in operation early in 1940, bringing the total installed capacity at Ear Falls to 17,500 horsepower. A new 44,000-volt transmission line 48 miles in length was placed in operation between Ear Falls and Uchi mine in the Woman Lake district. The new transmission line between the Uchi mine and Crow river, near the Central Patricia mine, which forms the connecting link between the Ear Falls and Rat Rapids developments, was completed, and a 3,750 kv-a transformer station at its terminus was placed in operation in September 1939. In addition the Commission purchased all the transmission lines belonging to individual mining companies in the Red Lake district and now controls and owns all of the transmission system originating out of the Ear Falls development.

Extensions in Rural Power Districts

Applications for rural electrical service throughout the Province during 1939 equalled the annual records established the preceding two years. Approval was given for the construction of 2,300 miles of rural primary line to serve more than 13,000 additional consumers. It is anticipated that this demand for service in established rural power districts will continue on a similar scale during the year 1940, and that much new rural territory in northern Ontario will be served during the coming year.

The load required to serve these rural systems is increasing rapidly. The aggregate load supplied to all rural power districts during 1939 amounted to 61,634 horsepower, an increase of 15.5 per cent over the year 1938.

Reduced Capital Expenditure

Extensions to generating stations, transmission lines, rural distribution networks, storage works, etc., during the year necessitated a capital expenditure of \$9,136,803.86 as compared with \$10,876,458.83 in the previous year. Of this amount, more than half was incurred for the extension of service in rural power districts to which the Government contributed a grant-in-aid of \$2,447,003.77. In the co-operative systems, apart from rural extensions, the chief capital expenditures were incurred for general extensions and additions to transmission lines and to transformer stations. In the Northern Ontario Properties, an extension to the Ear Falls development involved an expenditure of about \$525,000. Other capital expenditures incurred in northern Ontario were chiefly for extensions to transmission lines and transformer stations feeding mining properties.

CAPITAL ADDITIONS YEAR ENDED OCTOBER 31, 1939

Niagara system.....	\$ 2,253,388.55
Georgian Bay system.....	625,750.91
Eastern Ontario system.....	611,073.56
Thunder Bay system.....	195,938.73
Manitoulin, Nipissing & Sudbury R.P.D.'s.....	65,836.33
Northern Ontario Properties.....	2,878,565.21
Service and administrative buildings and equipment.....	59,246.80
	<hr/>
Provincial rural grant (To October 31).....	\$ 6,689,800.09
	2,447,003.77
	<hr/>
Total.....	\$ 9,136,803.86

Sales Promotion

As forecast in the last Annual Report, the Commission during the year organized a Sales Promotion department, the chief function of which is to make known to all Ontario citizens the nature of the benefits which they can derive from making the fullest possible use in domestic and industrial fields, of the ample supplies of low-cost power now available. In this work a number of the municipal Hydro utilities have co-operated with successful results.

The programme for the year combined advertising with direct field work promoting the further use of electric power in agriculture, industry, commerce and the home. Interesting and worthwhile features were the domestic appliance campaign during the early summer months, the commercial lighting surveys, and the farm demonstrations in the rural areas.

CAPITAL INVESTMENT

The total investment of The Hydro-Electric Power Commission of Ontario in power undertakings and hydro-electric railways is \$321,214,964.50 exclusive of government grants in respect of construction of rural power districts' lines (\$16,596,670.63); and the investment of the municipalities in distributing systems and other assets is \$124,907,581.46, making in power and hydro-electric railway undertakings a total investment of \$446,122,544.96.

The following statement shows the capital invested in the respective systems, districts and municipal undertakings, etc.:

Niagara system (including Hamilton street railway).....	\$217,771,971.53
Georgian Bay system.....	11,634,123.92
Eastern Ontario system.....	22,754,585.58
Thunder Bay system.....	19,935,847.95
Manitoulin rural power district.....	92,793.22
Nipissing rural power districts.....	58,808.85
Sudbury rural power district.....	33,544.74
Bonnechere storage.....	51,741.88
Office and service buildings.....	3,267,086.38
Construction plant and inventories.....	3,379,951.95
	<hr/>
	\$278,980,456.00
Northern Ontario Properties—Operated by H.E.P.C. on behalf of the Province of Ontario.....	39,888,835.09
Northern Ontario Properties—Construction plant and inventories.....	143,897.94
Toronto-Port Credit-St. Catharines Radial Railways.....	2,201,775.47
	<hr/>
	\$321,214,964.50
Municipalities' distribution systems.....	99,489,754.98
Other assets of municipal Hydro utilities.....	25,417,826.48
	<hr/>
	\$446,122,544.96

RESERVES OF COMMISSION AND MUNICIPAL ELECTRICAL UTILITIES

The total reserves of the Commission and the municipal electric utilities for depreciation, contingencies, stabilization of rates, sinking fund and insurance purposes, amount to \$216,405,116.02, made up as follows:

Niagara system (including Hamilton street railway)	\$ 87,840,119.11
Georgian Bay system	5,127,640.66
Eastern Ontario system	10,104,705.88
Thunder Bay system	6,873,698.30
Manitoulin rural power district	14,073.59
Nipissing rural power districts	15,760.82
Sudbury rural power district	2,166.88
Office and service buildings and equipment	1,065,452.15
Bonnechere storage	16,004.05
Total reserves in respect of Commission's properties	\$111,059,621.44
Northern Ontario Properties	6,828,329.12
Fire insurance reserve	80,640.74
Miscellaneous reserves	635,079.83
Employers' liability insurance, and staff pension reserves	7,135,353.21
Total reserves of the Commission	\$125,739,024.34
Total reserves and surplus of municipal electric utilities	90,666,091.68
Total Commission and municipal reserves	<u>\$216,405,116.02</u>

Financial Operating Results for 1939

The financial results of the Commission's operations continued to be affected during the first half of the fiscal year ended October 31, 1939, by the industrial recession of 1938. In its effect on revenue, this recession was more severely felt during the early months of 1939 than during 1938. The revenue from sales of primary power to companies served by the Niagara system was about 10 per cent less during the first nine months of the 1938-1939 fiscal year as compared with the corresponding period 1937-1938. The recession also retarded materially the normal increase of power requirements by municipal utilities in these months.

Loss of revenue from primary power sales during this period was, however, largely offset by increased sales of secondary power and by moderate adjustments in interim rates to a few municipalities. In the closing months of the year a sharp upturn of demands also occurred. The net result of these factors was an increase of about \$2,000,000 in revenue of the Niagara and other co-operative systems of the Commission,—an amount sufficient to meet the cost of scheduled increases in purchased power, the costs of general extensions of service throughout the systems, and also the special costs occasioned by the war-time civil security necessities.

Despite the difficult circumstances encountered, the Commission was able to set aside for its various reserves an aggregate amount nearly equal in total to that made in respect of 1938.

The revenues and expenditures of the Northern Ontario Properties increased considerably during the fiscal year. As compared with the previous year, revenues, at \$4,181,200.93, are up 23 per cent, while expenditures, at \$2,143,035.95, increased about 10 per cent. Reserves for renewals and sinking fund were \$1,457,223.62, compared with \$1,269,460.36, and the balance available for contingencies, etc., totals \$580,941.36, as compared with \$184,519.85 in 1938.

REVENUE OF COMMISSION

The revenue of the Commission at interim rates from the municipal utilities operating under cost contracts, from customers in rural power districts and from other customers with whom—on behalf of the municipalities—the Commission has special contracts, all within the Niagara, Georgian Bay, Eastern Ontario and Thunder Bay systems, Manitoulin Island, Nipissing rural power districts and Sudbury rural power district aggregated \$32,639,427.41. The revenue of the Commission from customers served by the Northern Ontario Properties, which are held and operated in trust for the Province, was \$4,181,200.93, making a total of \$36,820,628.34.

Summarized operating results of these systems and rural power districts and of the Northern Ontario Properties, follow:

SUMMARIZED OPERATING RESULTS

OF THE

NIAGARA, GEORGIAN BAY, EASTERN ONTARIO, THUNDER BAY SYSTEMS

AND ALSO

MANITOULIN, NIPISSING AND SUDBURY RURAL POWER DISTRICTS

Revenue; amount received from or billed against municipalities and other customers	\$28,503,339.25	
Revenue from customers in rural power districts	4,136,088.16	
Total revenue, systems and rural		\$32,639,427.41
Operation, maintenance, administration, interest and other current expenses	\$26,713,270.63	
Provision for reserves—		
Renewals	\$ 2,206,611.82	
Contingencies and obsolescence	189,885.64	
Stabilization of rates	317,661.54	
Sinking fund	2,945,855.99	
	5,660,014.99	
		\$32,373,285.62
Balance		\$ 266,141.79

SUMMARIZED OPERATING RESULTS

OF THE

NORTHERN ONTARIO PROPERTIES

Held and operated by The Hydro-Electric Power Commission of Ontario
In trust for the Province of Ontario

Revenue; amount received from or billed against municipalities and other customers	\$ 4,181,200.93	
Operation, maintenance, administration, interest and other current expenses	\$2,143,035.95	
Provision for reserves—		
Renewals	\$ 309,809.61	
Contingencies and obsolescence	201,638.41	
Sinking fund	1,147,414.01	
	1,658,862.03	
		3,801,897.98
Balance		\$ 379,302.95

COMPARATIVE FINANCIAL STATEMENTS

NIAGARA SYSTEM

	1938	1939
	\$ c.	\$ c.
OPERATING EXPENSES AND FIXED CHARGES		
Power purchased	5,786,911.41	6,800,716.23
Operation, maintenance and administration	4,439,228.79	4,817,701.81
Interest	9,512,385.19	9,628,364.05
Provision for renewals	1,558,882.56	1,615,797.66
Provision for contingencies and obsolescence	604,442.27	200.59*
Provision for stabilization of rates		
Sinking Fund	2,201,335.71	2,294,568.45
TOTAL COST OF POWER	24,103,185.93	25,157,348.79
REVENUE from municipalities at interim rates, from rural consumers and from private customers under flat rate contracts	23,931,458.03	25,448,869.78
Net balance credited or (charged) to municipalities under cost contracts	(171,727.90)	291,520.99

*On certain rural lines only,—operated by two municipalities.

EASTERN ONTARIO SYSTEM

	1938	1939
	\$ c.	\$ c.
OPERATING EXPENSES AND FIXED CHARGES		
Power Purchased	905,233.97	1,024,071.40
Operation, maintenance and administration	938,595.30	964,191.18
Interest	979,566.89	1,039,632.24
Provision for renewals	261,820.01	271,339.98
Provision for contingencies and obsolescence	66,627.95	67,268.15
Provision for stabilization of rates	81,494.60	177,396.00
Sinking Fund	230,069.37	240,371.26
TOTAL COST OF POWER	3,463,408.09	3,784,270.21
REVENUE from municipalities at interim rates, from rural consumers and from private customers under flat rate contracts	3,564,306.86	3,787,621.56
Net balance credited to municipalities under cost contracts	100,898.77	3,351.35

War Efforts

No review of the past year's operations would be complete without reference to the steps taken to ensure that Hydro power will be available in ample quantities to enable Ontario to make its maximum contribution to the war efforts of Canada.

There are three main fields in which additional Hydro power can be used to expedite war-time production of needed supplies; first—in the mining fields of northern Ontario; second—in the manufacturing industries of southern Ontario; third—in the electro-chemical and electro-metallurgical industries.

RESPECTING THE SYSTEMS OF THE COMMISSION

GEORGIAN BAY SYSTEM

	1938	1939
	\$ c.	\$ c.
OPERATING EXPENSES AND FIXED CHARGES		
Power purchased.....	53,649.21	27,411.10
Operation, maintenance and administration.....	471,050.65	541,802.75
Interest.....	404,626.36	530,655.94
Provision for renewals.....	133,878.03	154,626.12
Provision for contingencies and obsolescence.....	29,247.78	35,903.73
Provision for stabilization or rates.....	86,648.10	94,107.00
Sinking Fund.....	99,052.44	118,135.78
TOTAL COST OF POWER.....	1,278,152.57	1,502,642.42
REVENUE from municipalities at interim rates, from rural consumers and from private customers under flat rate contracts.....	1,333,384.79	1,461,012.60
Net balance credited or (charged) to municipalities under cost contracts.....	55,232.22	(41,629.82)

THUNDER BAY SYSTEM

	1938	1939
	\$ c.	\$ c.
OPERATING EXPENSES AND FIXED CHARGES		
Operation, maintenance and administration.....	355,919.97	367,293.70
Interest.....	895,768.34	922,326.81
Provision for renewals.....	159,990.02	161,597.19
Provision for contingencies and obsolescence.....	85,852.37	86,513.17
Provision for stabilization of rates.....		46,158.54
Sinking Fund.....	283,441.03	291,029.60
TOTAL COST OF POWER.....	1,780,971.73	1,874,919.01
REVENUE from municipalities at interim rates, from rural consumers and from private customers under flat rate contracts.....	1,764,873.24	1,879,467.85
Net balance credited or (charged) to municipalities under cost contracts.....	(16,098.49)	4,548.84

War to-day is largely fought with machines made of metals and alloys. The production of nickel and copper, important war metals, has increased greatly in northern Ontario during recent years. Gold also may be considered a war metal of great importance and the spectacular growth in its production in Ontario, making a substantial contribution to the Dominion's financial strength, has been greatly fostered by low-cost Hydro electrical service. To-day, the reserves of hydro-electric power actually developed in northern Ontario are sufficient for normal growth for two years and many easily developed sites are available throughout the north.

The second field in which Hydro power may be needed in increasing amounts is in connection with the manufacturing industries of southern

Ontario. Here the contract provisions made for increased supplies of purchased power, aggregating 140,000 horsepower for the period 1940 to 1944, can, under the terms of the contracts, be advanced if necessary.

The third field in which Hydro power can be used to stimulate war production is in the electro-chemical and electro-metallurgical industries which supply many war-time needs. In this field the Commission can supply large amounts of at-will or secondary power without increasing its system capacity.

For the immediate future, therefore, there is ample power available in all districts to enable Ontario's war effort to be speeded up and maintained at a greatly enhanced level. During the past year many steps have been taken and plans made to ensure that this situation shall continue no matter what eventuates.

One important step taken was the passing by the Provincial Legislature of The Power Control Act. Under this Act The Hydro-Electric Power Commission of Ontario is given authority to regulate and control the generation, transformation, transmission, distribution, supply and use of all power in the Province. In brief, the object of this legislation is to give the Commission the necessary authority to regulate Ontario's power supplies so that they may make the maximum contribution to its war-time effort.

The Commission is also strengthening weak links in its extensive transmission systems by the construction of two or three strategic interconnecting and transmission lines of importance, both in eastern Ontario and in the western portion of the Niagara district. Careful consideration is also being given to industrial war demands, and continuous surveys are being made of industrial requirements in order to anticipate, if possible, any exceptional demands for war supplies of power, and to ensure that all plants at present working on munitions, or likely to be doing so in the near future, may be guaranteed an adequate and reliable power service whenever and wherever it may be required.

MUNICIPAL ELECTRIC UTILITIES

The following is a summation of the year's operation of the local electric utilities conducted by municipalities receiving power under cost contracts with the Commission:

Total revenue collected by the municipal electric utilities.....	\$35,289,790.70
Cost of power.....	\$21,855,595.20
Operation, maintenance and administration.....	6,028,440.01
Interest.....	1,594,040.32
Sinking fund and principal payments on debentures.....	2,420,441.30
Depreciation and other reserves.....	2,524,364.33
Total.....	34,422,881.16
Surplus.....	866,909.54

With regard to the local Hydro utilities operating under cost contracts, the following statements summarize for each of the four co-operative systems administered by the Commission, the financial status and the year's operations as detailed in Section X of the Report:

NIAGARA SYSTEM

The total plant assets of the Niagara system utilities amount to \$83,841,361.16. The total assets, including an equity in the H-E.P.C. of \$42,131,257.65 aggregate \$146,997,350.25. The reserves and surplus accumulated in connection with the local utilities, exclusive of the equity in the H-E.P.C., amount to \$73,918,531.93, an increase of \$4,576,674.81 during the year 1939. The percentage of net debt to total assets is 21.0 a reduction of 3.4 per cent.

The total revenue of the municipal electric utilities served by this system was \$28,558,726.63, an increase of \$990,889.85 as compared with the previous year. After meeting all expenses in respect of operation, including interest setting up the standard depreciation reserve amounting to \$2,024,001.22 and providing \$2,244,851.41 for the retirement of instalment and sinking fund debentures, the total net surplus for the year for the municipal electric utilities served by the Niagara system amounted to \$661,463.52, as compared with \$655,157.82 the previous year.

GEORGIAN BAY SYSTEM

The total plant assets of the Georgian Bay system utilities amount to \$2,963,164.42. The total assets, including an equity in the H-E.P.C. of \$1,556,477.57 aggregate \$5,087,865.66. The reserves and surplus accumulated in connection with the local utilities, exclusive of the equity in H-E.P.C., amount to \$3,131,173.05, an increase of \$43,585.36 during the year 1939. The percentage of the net debt to total assets is 11.9, a reduction of 0.4 per cent.

The total revenue of the municipal electric utilities served by this system was \$1,262,884.52, an increase of \$22,794.81 as compared with the previous year. After meeting all expense in respect of operation, including interest, setting up the standard depreciation reserve amounting to \$91,562.00 and providing \$45,147.28 for the retirement of instalment and sinking fund debentures, the total net loss for the year for the municipal electric utilities served by the Georgian Bay system amounted to \$26,897.01 as compared with a surplus of \$75,450.57 the previous year.

EASTERN ONTARIO SYSTEM

The total plant assets of the Eastern Ontario system utilities amount to \$9,149,235.27. The total assets, including an equity in the H-E.P.C. of \$2,216,217.14, aggregate \$13,968,432.79. The reserves and surplus accumulated in connection with the local utilities, exclusive of the equity in H-E.P.C., amount to \$9,601,338.05, an increase of \$498,720.88 during the year 1939. The percentage of net debt to total assets is 11.6, a reduction of 0.7 per cent.

The total revenue of the municipal electric utilities served by this system was \$3,756,724.57, an increase of \$220,165.01 as compared with the previous year. After meeting all expenses in respect of operation, including interest, setting up the standard depreciation reserve amounting to \$244,696.81 and providing \$109,910.04 for the retirement of instalment and sinking fund debentures, the total net surplus for the year for the municipal electric utilities served by the Eastern Ontario system amounted to \$162,451.40 as compared with \$243,365.46 the previous year.

THUNDER BAY SYSTEM

The total plant assets of the Thunder Bay system utilities amount to \$2,765,875.55. The total assets, including an equity in the H-E.P.C. of \$2,711,344.58, aggregate \$6,518,524.21. The reserves and surplus accumulated in connection with the local utilities, exclusive of the equity in H-E.P.C., amount to \$3,285,462.74 a decrease of \$64,771.10 during the year 1939. The percentage of net debt to total assets is 9.8 an increase of 0.3 per cent.

The total revenue of the municipal electric utilities served by this system was \$1,239,241.83, an increase of \$60,066.24 as compared with the previous year. After meeting all expenses in respect of operation, including interest, setting up the standard depreciation reserve amounting to \$46,174.94 and providing \$10,450.26 for the retirement of instalment and sinking fund debentures, the total net loss for the year for the municipal electric utilities served by the Thunder Bay system amounted to \$11,352.00, as compared with a net loss of \$16,900.17 for the previous year.

* * *

The relationship between the Commission and the partner municipalities has been marked by increasing friendliness and co-operation during the year. Opportunities have been afforded for direct contact with many of those responsible for the supervision and operation of the local Hydro utilities, and these personal meetings have been marked by most cordial and helpful discussion.

My colleagues, the Hon. William L. Houck and Mr. J. Albert Smith join with me in thanks to the Commission's staff for faithful and efficient service. We are also grateful for the continued support given by the Press of the Province.

Respectfully submitted,

T. H. HOGG,
Chairman

TORONTO, ONTARIO. MARCH 31ST, 1940.

T. H. HOGG, ESQ., B.A.Sc., C.E., D.ENG.,

*Chairman, The Hydro-Electric Power Commission of Ontario,
Toronto, Ontario.*

Sir:

I have the honour to submit, herewith, the Thirty-second Annual Report of The Hydro-Electric Power Commission of Ontario for the fiscal year which ended October 31, 1939. This report covers the operations of the Commission with regard to the supply of power to, or on behalf of, the partner Municipalities of the several Co-operative Systems, as well as the administration of the Northern Ontario Properties, which are held and operated by the Commission in trust for the Province of Ontario.

I have the honour to be, Sir,

Your obedient servant,

OSBORNE MITCHELL,
Secretary.

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THIRTY-SECOND ANNUAL REPORT
OF
The Hydro-Electric Power Commission
of Ontario

FOREWORD
and
Guide to the Report

THE Hydro-Electric Power Commission of Ontario administers a co-operative municipal-ownership enterprise, supplying power throughout the Province of Ontario. The Commission was created in 1906 by special act of the Legislature and followed investigations by advisory commissions appointed as a result of public agitation to prevent monopoly and to provide a more satisfactory supply of low-cost power in Southern Ontario. In 1907 The Power Commission Act (7-Edward VII Ch. 19) was passed amplifying and extending the Act of 1906 and this Act—modified by numerous amending acts which now form part of the Revised Statutes of Ontario, 1937, Chap. 62—constitutes the authority under which the Commission operates.

The Hydro-Electric Power Commission of Ontario consists of a Chairman and two Commissioners, all of whom are appointed by the Lieutenant-Governor-in-Council to hold office during pleasure. One of the Commissioners must be a member of the Executive Council and two may be members.

In 1909, work was commenced on a comprehensive transmission system and by the end of 1910 power was being supplied to several municipalities.

The Commission has now been supplying electrical energy for more than twenty-nine years and the Report contains diagrams depicting the growth of the enterprise. During this period the costs of electricity to the consumer have been substantially reduced and the finances of the enterprise have been established on a secure foundation.

At the end of 1939 the Commission was serving 856 municipalities in Ontario. This number included 26 cities, 103 towns, 300 villages and police villages and 427 townships. With the exception of 14 suburban sections of townships known as “voted areas”, the townships and 117 of the smaller villages are served as parts of 184 rural power districts.

Financial Features of Co-operative Systems

The basic principle governing the financial operations of the undertaking is, that electrical service be given by the Commission to the municipalities and by the municipalities to the ultimate consumers at cost. Cost includes not only all operating and maintenance charges, interest on capital investment and reserves for renewals or depreciation, for obsolescence and contingencies, and for stabilization of rates, but also a reserve for sinking fund or capital payments on debentures.

The undertaking from its inception has been entirely self-supporting and no contributions have been made from general taxes except in connection with service in rural power districts. In this case, the Province, in pursuance of its long established policy of assisting agriculture and with the approval of the urban citizens, assists extension of rural electrical service by a grant-in-aid of the capital cost and in other ways as specified and detailed in the Report.

As the principle of "service at cost" is radically different from that obtaining in private organizations, where profit is the governing feature, it naturally results in different and in some ways unique administrative features.

The undertaking as a whole involves two distinct phases of operations as follows:

The *First* phase of operations is the provision of the electrical power—either by generation or purchase—and its transformation, transmission and delivery in *wholesale* quantities to individual municipal utilities, to large industrial consumers, and to rural power districts. This phase of the operations is performed by The Hydro-Electric Power Commission of Ontario as trustee for the municipalities acting collectively in groups or "systems," and the financial statements relating to these collective activities of the municipalities are presented in Section IX of the Report. Each system of municipalities, as provided in *The Power Commission Act*, forms an independent financial unit and the accounts are therefore segregated and separately presented for each system. In order, however, that there may be a comprehensive presentation of the co-operative activities of the undertaking as a whole, there are presented, in addition, for the four main systems and miscellaneous co-operative activities, a balance sheet of assets and liabilities, a statement of cost distributions, a tabulation of fixed assets, and summary combined statements respecting the various reserves.

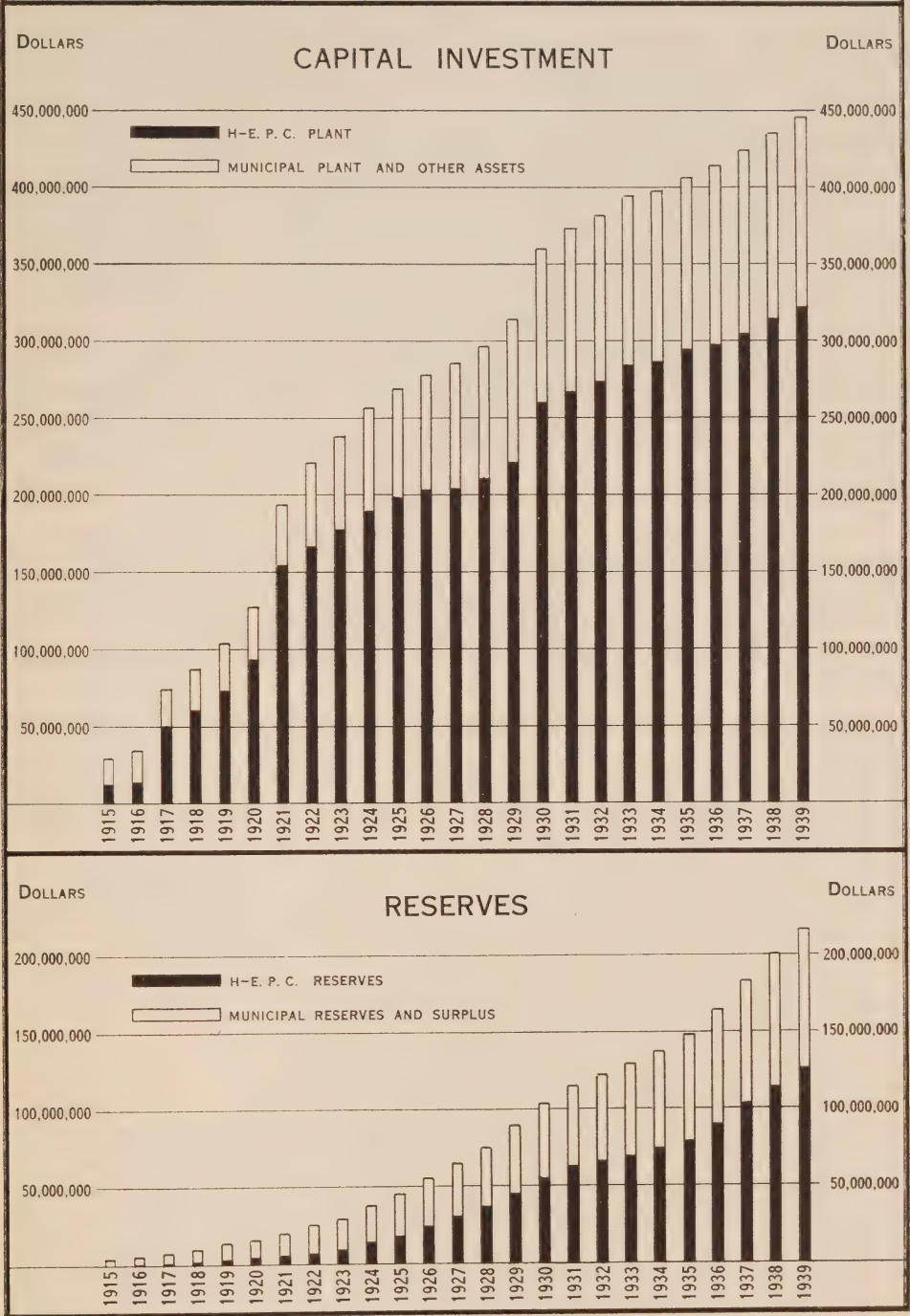
The *Second* phase of operations is the *retail* distribution of electrical energy to consumers within the limits of the areas served by the various municipal utilities and rural power districts. In the case of rural power districts which usually embrace portions of more than one township, The Hydro-Electric Power Commission not only provides the power at wholesale, but also—on behalf of the respective individual townships—attends to all physical and financial operations connected with the distribution of energy at retail to the consumers within the rural power districts. Summary financial statements relating to the rural power districts are also presented in Section IX of the Report, and a general report on their operation is given in Section III.

In the case of cities, towns, many villages and certain thickly populated areas of townships, retail distribution of electrical energy provided by the Commission is in general conducted by individual local municipal utility commissions under the general supervision of The Hydro-Electric Power Commission of Ontario. The balance sheets, operating reports and statistical data relating to the individual urban electrical utilities are presented in Section X of the Report.

For the Northern Ontario Properties held and operated by the Commission in trust for the Province there are also presented in Section IX financial statements including a balance sheet, an operating account, and statements respecting reserves and capital expenditures.

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

TWENTY-FIVE YEARS RECORD — ALL SYSTEMS



Further details respecting administration, and explanations of the financial tables presented in the Report are given in the introductions to sections IX and X on pages 103 and 189.

Co-operative Systems Operating

From time to time in accordance with provisions in *The Power Commission Act* various groups of municipalities have been co-ordinated to form systems for the purpose of obtaining power supplies from convenient sources. In some cases these small systems grew until their transmission lines interlocked with those of adjacent systems and it proved beneficial to consolidate the transmission networks and the financial and administrative features. In the well settled parts of the Province, known as Old Ontario, this process has now reached a more stable condition and the municipalities of the southern part of the Province are now combined in three systems: the Niagara system, the Georgian Bay system and the Eastern Ontario system. One other system of partnership municipalities is known as the Thunder Bay system.

The Niagara System is the largest and most important system. It embraces municipalities in all the territory between Niagara Falls, Hamilton and Toronto on the east and Windsor, Sarnia and Goderich on the west. It is served with electrical energy generated at plants on the Niagara river, supplemented with power transmitted from generating plants on the Ottawa river and with power purchased from Quebec companies.

The Georgian Bay System comprises municipalities in that part of the Province which surrounds the southern end of Georgian Bay and lies to the north of the territory served by the Niagara system. It includes the districts surrounding lake Simcoe and extends as far north as Huntsville in the Lake of Bays district and south to Port Perry. Its power supplies are derived chiefly from local water power developments.

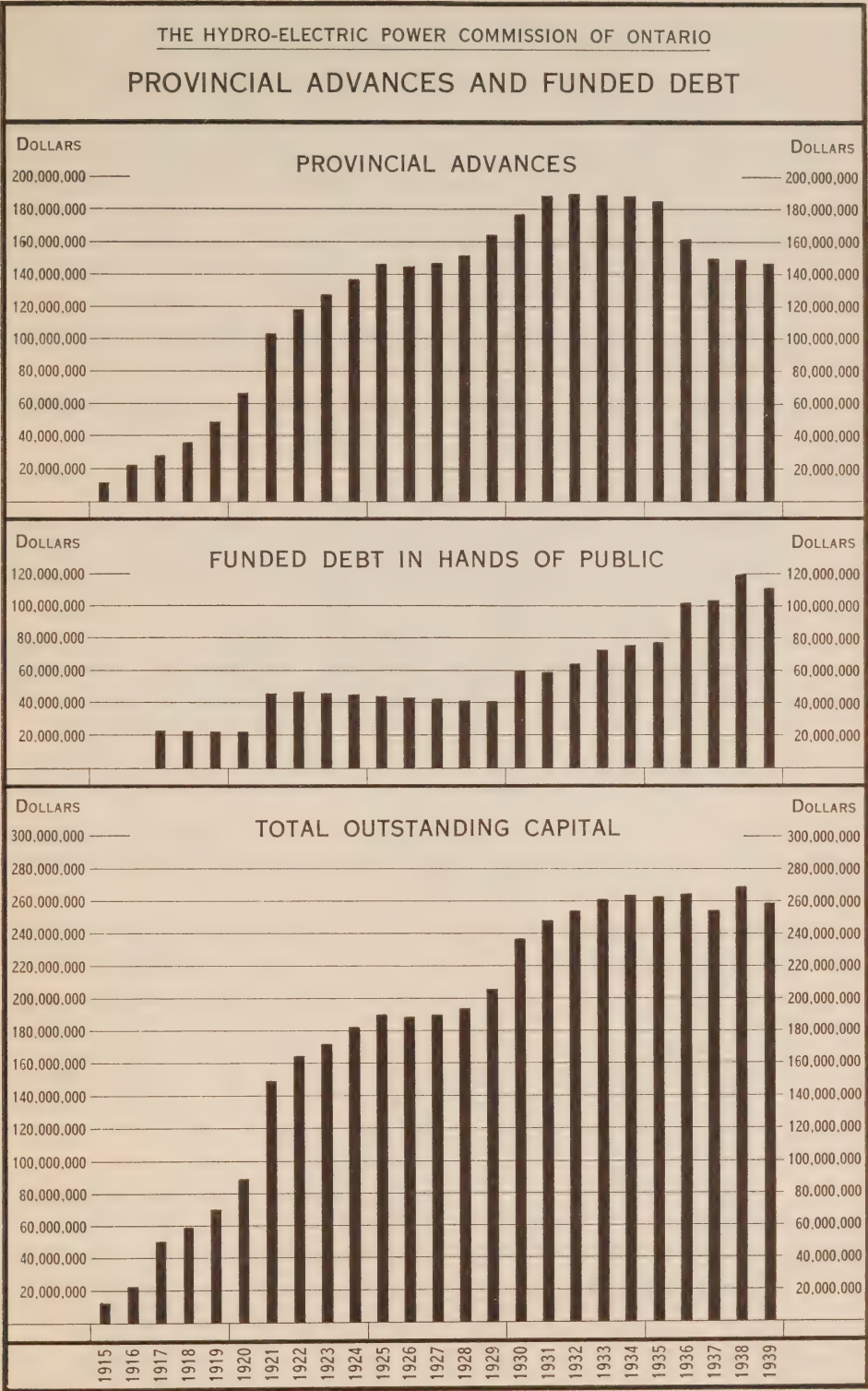
The Eastern Ontario System serves all of Ontario east of the areas comprising the Georgian Bay and the Niagara systems. It includes the districts of Central Ontario, St. Lawrence, Rideau, Ottawa and Madawaska; formerly separate systems. Its power supplies are from local developments supplemented by purchases from other sources.

The Thunder Bay System comprises the cities of Port Arthur and Fort William, adjacent rural sections, the village of Nipigon, and the mining district of Longlac. Two developments on the Nipigon river supply power.

A small rural district known as *Manitoulin Rural Power District* on Manitoulin island in the northern area of lake Huron is served by the Commission as an independent unit.

Northern Ontario Properties

In addition to its operations on behalf of the partner municipalities, the Commission, under an agreement with the Province, holds and operates the Northern Ontario Properties in trust for the Province. For the purposes of financial administration these properties are treated as one unit. The Northern Ontario Properties lie in the portion of the Province north of Lake Nipissing and French River areas, exclusive of the territory served by the Thunder Bay system. The principal areas in this vast territory at present



receiving service are the *Nipissing District* centering around the city of North Bay on the shore of lake Nipissing; the *Sudbury District* comprising the city of Sudbury and the adjacent mining area known as Sudbury Basin; the *Abitibi District* comprising the territory served by 25-cycle power from the Abitibi Canyon development, together with a small area in the southern portion of the district of Sudbury in which mining properties are served with 60-cycle power; the *Patricia-St. Joseph District* comprising the territory within transmission distance of the Ear Falls development at the outlet of Lac Seul on the English river including the Red Lake mining area, and the territory immediately north of lake St. Joseph in the territorial district of Patricia served with power from a development at Rat Rapids on the Albany river.

The geographic boundaries of the various systems are shown on the map of transmission lines and stations at the back of the Report.

The power supplies for the systems and Northern Ontario districts are listed in the first table of Section II of the Report on pages 6 and 7.

The Annual Report

The table of contents, pages xxi and xxii lists the matters dealt with in the Report. At the end of the Report there is a comprehensive index. To those not conversant with the Commission's Reports, the following notes will be useful.

In Section II, pages 5 to 33, dealing with the operations of the systems, are a number of diagrams showing graphically the monthly loads on the several systems and districts. Tables are also presented showing the amounts of power taken by the various municipalities during the past two years.

The rural distribution work of the Commission has proved of widespread interest and special reference to this is made in Section III on pages 41 to 58.

In Sections V and VI will be found information respecting progress of work on new power developments and on transmission system extensions, together with photographic illustrations.

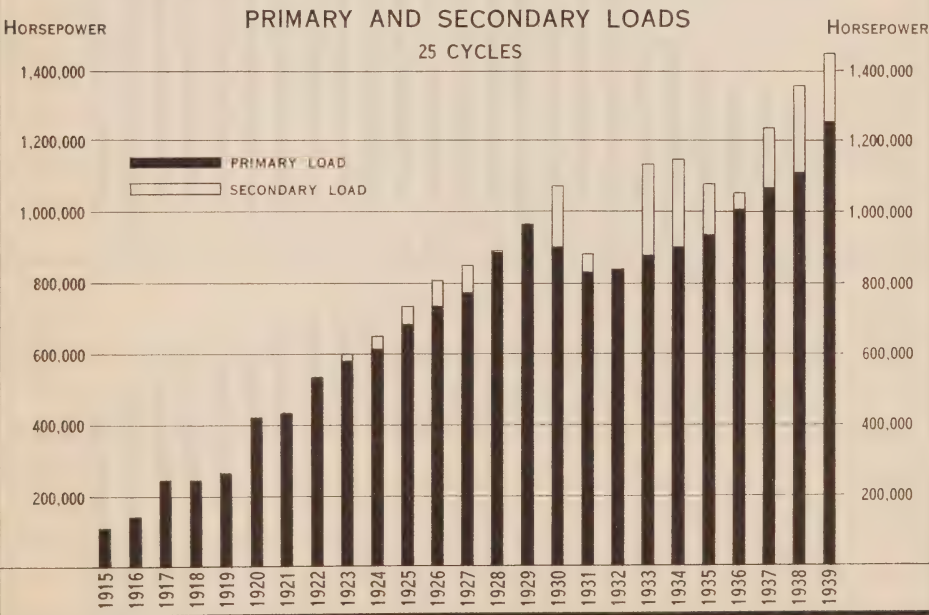
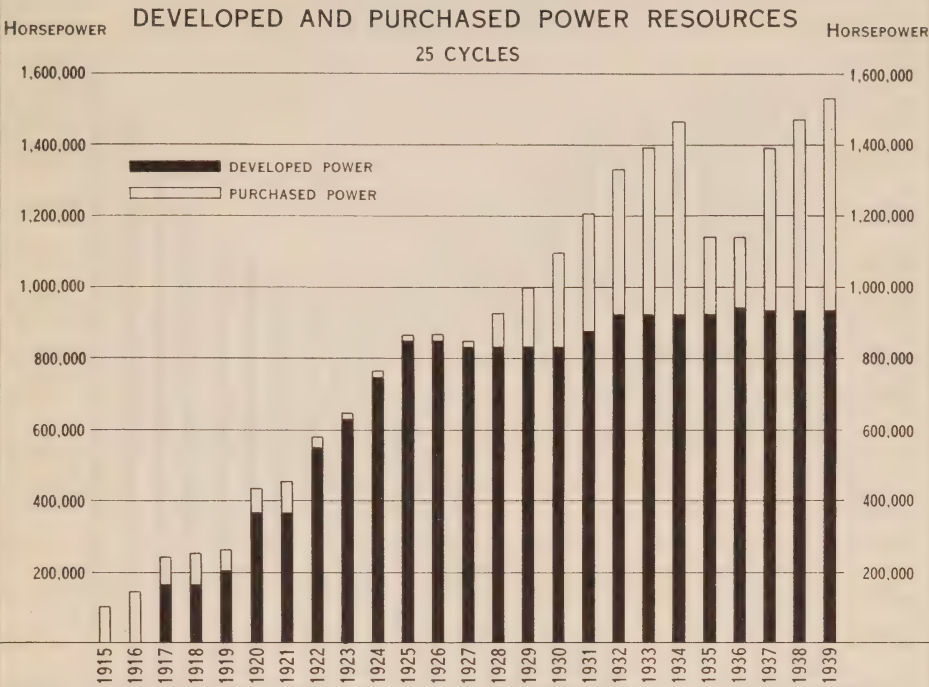
About one-half of the Report is devoted to financial and other statistical data which are presented in two sections IX and X already referred to above.

Frequent enquiries for the rates for service to consumers are received by the Commission. For the urban municipalities served by the Commission these are given in statement "E" starting on page 346. For the rural power districts they are given in a table starting on page 52. Certain statistical data resulting from the application of the rates in urban utilities are given in statement "D". This statement is prefaced by a special introduction starting on page 328.

In its Annual Reports the Commission aims to present a comprehensive statement respecting the activities of the whole undertaking under its administration. Explanatory statements are suitably placed throughout the Report. The Commission receives many letters asking for general information respecting its activities, as well as requests for specific information concerning certain phases of its operations. In most cases the enquiries can satisfactorily be answered by simply directing attention to information presented in the Annual Report.

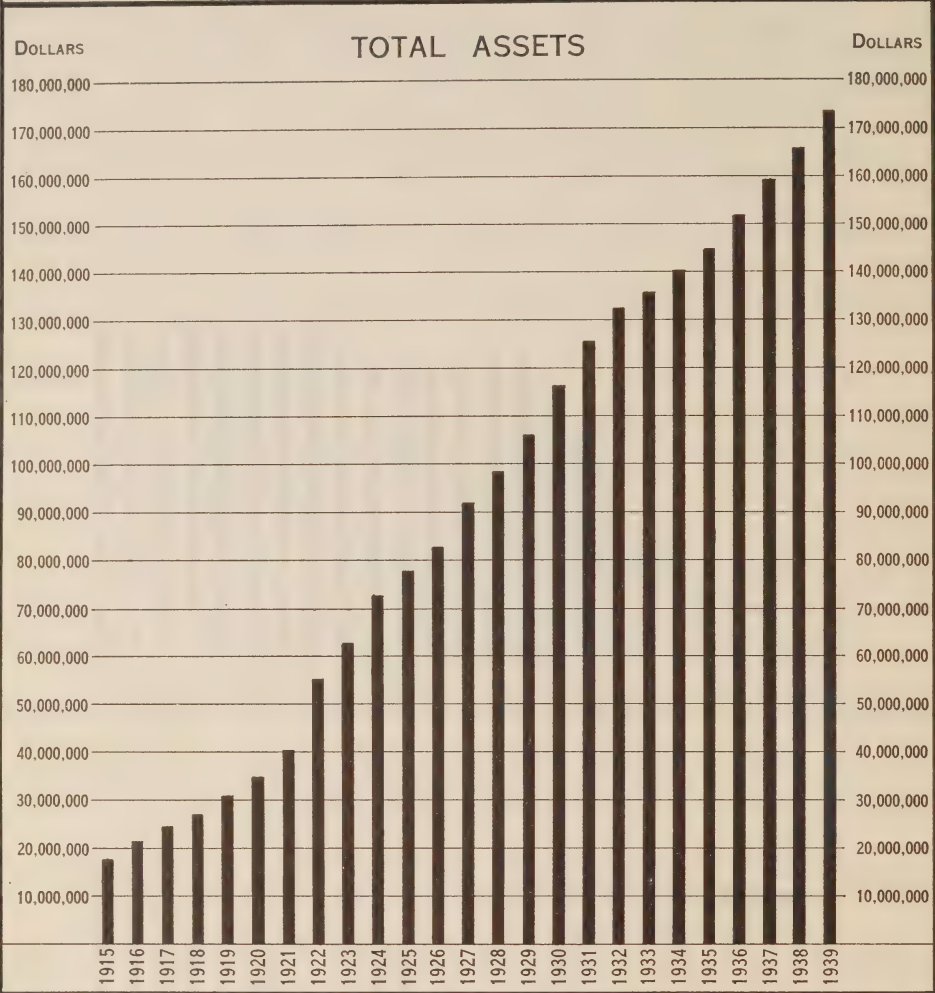
THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

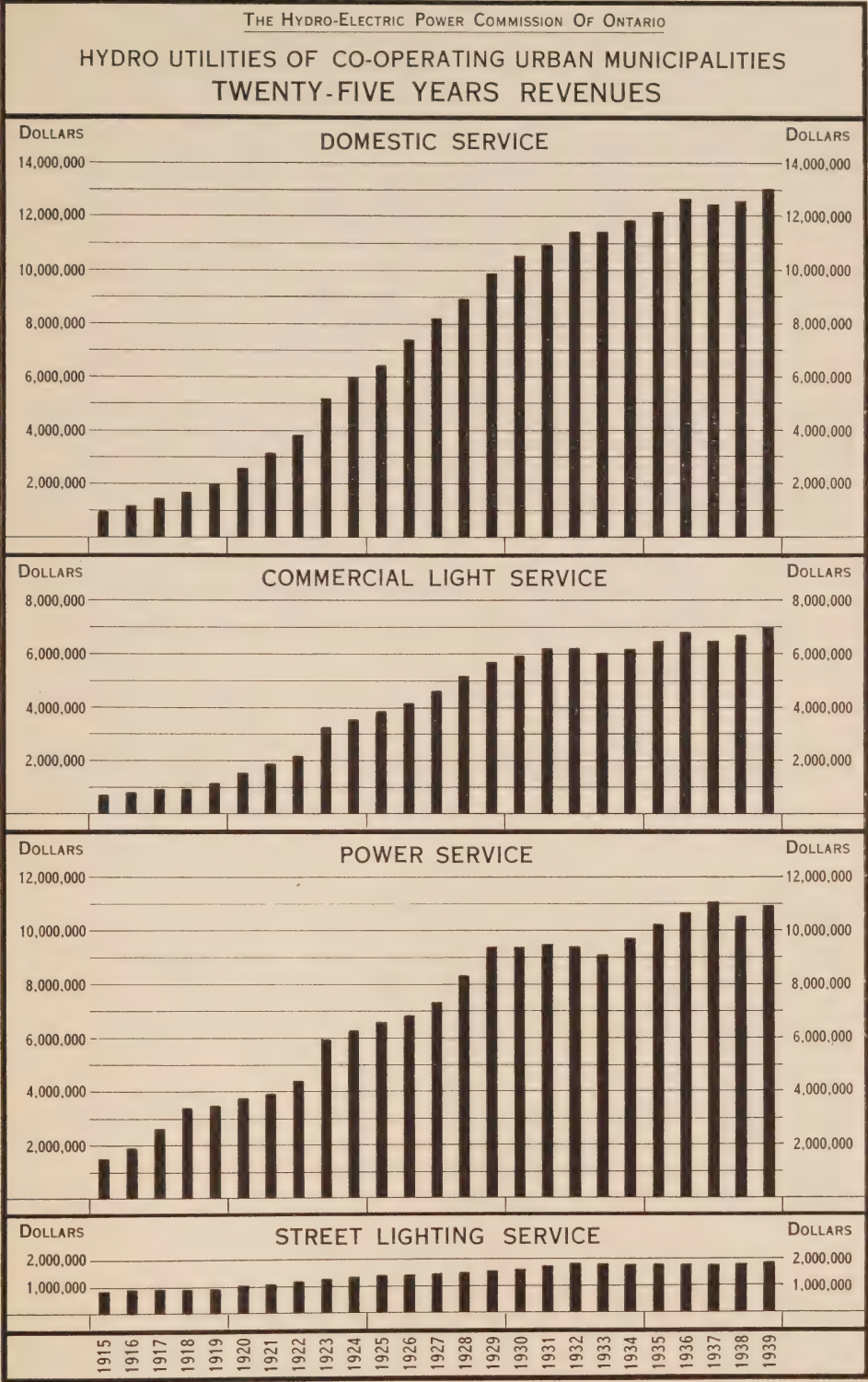
TWENTY-FIVE YEARS RECORD—NIAGARA SYSTEM



THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

HYDRO UTILITIES OF CO-OPERATING URBAN MUNICIPALITIES
TWENTY-FIVE YEARS RECORD





SECTION I

LEGAL

At the 1939 Session of the Legislative Assembly of the Province of Ontario two Acts respecting The Hydro-Electric Power Commission of Ontario were passed. At the Second Session in 1939 an Act respecting the regulation and control of the use of power in Ontario was passed. The said Acts are reproduced in full in Appendix I of this Report. The short titles of the said Acts are as follows:

The Power Commission Amendment Act, 1939, Chapter 35

The Rural Hydro-Electric Distribution Amendment Act, 1939,
Chapter 41

The Power Control Act, 1939, Second Session, Chapter 8.

The agreements between The Hydro-Electric Power Commission of Ontario and municipalities and corporations mentioned in the list hereunder given were approved by Orders-in-Council.

CO-OPERATIVE SYSTEMS

TOWN		TOWNSHIPS	
Arnprior.....	Dec. 9, 1938	Conmee.....	April 27, 1939
		Dalton.....	May 29, 1939
VILLAGES		Eastnor.....	Aug. 5, 1939
Lion's Head.....	Aug. 11, 1939	Elizabethtown.....	Aug. 10, 1939
Millbrook.....	Aug. 2, 1939	Fenelon.....	Feb. 14, 1938
		Flos.....	June 10, 1939
POLICE VILLAGE		Gillies.....	May 6, 1939
Orono.....	Dec. 7, 1938	Marysburgh North.....	Mar. 15, 1939
		Normanby.....	Sept. 18, 1939
TOWNSHIPS		North Algona.....	Aug. 1, 1939
Anglesea, Kaladar and Effing- ham.....	July 13, 1939	North Gower.....	Jan. 2, 1939
Armour.....	Sept. 7, 1939	O'Connor.....	May 8, 1939
Assignack.....	Jan. 9, 1939	Sherbrooke South.....	Jan. 9, 1939
Bagot and Blythfield.....	April 11, 1939	Stisted.....	Nov. 25, 1938
Barrie.....	Aug. 19, 1939	Vaughan.....	Jan. 9, 1939
		Wilberforce.....	Aug. 5, 1939
		Wolfe Island.....	Nov. 5, 1938

CORPORATIONS

Aluminum Company of Canada, Limited (Firm Power).....	Sept. 18, 1939
Aluminum Company of Canada, Limited (Interruptible Power).....	Sept. 18, 1939
The Beaver Wood Fibre Company Limited.....	May 2, 1939
Canadian Associated Aircraft, Limited.....	Sept. 12, 1939

CORPORATIONS—Continued

Canadian Broadcasting Corporation	April 1, 1939
The Goodyear Tire & Rubber Company of Canada, Limited	Aug. 15, 1939
The Great Lakes Paper Company, Limited	June 1, 1939
Howard Smith Paper Mills, Limited (Surplus Power)	June 30, 1939
Howard Smith Paper Mills, Limited (5,400 h.p. Firm Power)	June 30, 1939
Howard Smith Paper Mills, Limited (4,150 h.p. Firm Power)	June 30, 1939
The Ontario Paper Company Limited (Firm Power)	Feb. 9, 1939
The Ontario Paper Company Limited (Steam Process Power)	Feb. 9, 1939
Provincial Paper Limited	Aug. 2, 1939
White Valley Chemicals, Limited	June 16, 1939

NORTHERN ONTARIO PROPERTIES

TOWNS		TOWNSHIPS	
Sioux Lookout	Feb. 8, 1939	Fauquier	Oct. 16, 1939
Trout Creek	Aug. 10, 1939	McKim	Aug. 21, 1939
		Neelon and Garson	Aug. 16, 1939
		Nipissing	Oct. 26, 1939
Chisholm	Oct. 5, 1939	Shackleton and Machin	Oct. 10, 1939

RIGHT-OF-WAY AND PROPERTY

The Year's Operations

The continued rapid expansion of the Commission's operations resulted in a large demand for new right-of-way, most of which was acquired by easement. Close to the larger urban centres, however, the fee of the land occupied was usually acquired. The number of settlements made increased by approximately 20 per cent.

Power Development Lands

A number of claims by owners of property abutting Chats lake were settled.

The remaining outstanding claims on Frederick House lake were disposed of.

Transmission and Distribution Lines

The large increase in rights required for rural distribution lines involved the securing of 4,304 easements, 430 crossing agreements with other corporations, 472 tree trimming agreements, and settlement of 121 damage claims.

Transmission lines of importance in connection with which various rights were acquired are as follows:

Niagara System—Vanessa junction to Norfolk transformer station, Sun Brick junction to East York distribution station, Wellesley junction to Wellesley distribution station, and Virgil junction to Virgil distribution station.

Eastern Ontario System—Sidney transformer station to Brighton distribution station.

Northern Ontario Properties—Preliminary application has been made to the Province of Ontario for a License of Occupation for transmission line from Ear Falls to Sioux Lookout, and from Ear Falls via Uchi Gold Mines to Crow Lake.

Application has been made for a License of Occupation for a transmission line from a point on the Hunta-Sudbury line in Garibaldi Township to Ronda Gold Mines in MacMurchy Township, and Sylvanite Gold Mines in Tyrell Township.

Rights were completed for line between Crystal Falls and Coniston.

Further rights were acquired between Cameron Falls and Port Arthur.

Station Sites

Distribution station sites were purchased for an extension to Priceville and Belleville and for new stations at Brampton, Treadwell, Wellesley, Beaumaris, Fonthill, Clinton, Virgil, Fallingbrook, Hudson, Campbellville, Glencairn, Kingsway, and Roslyn. Patrolmen's cottage sites were secured at McKirdy, Vittoria, Pelham and Sioux Lookout.

In the many negotiations conducted only eight owners appealed to the Valuator, appointed under the Power Commission Act.

Service and Office Buildings

A block of property was acquired at the rear of the Head Office to provide additional facilities.

A number of leases were entered into throughout the Province to provide office space and storage facilities for the ever-increasing number of rural district and inspection offices.

Sales and Leases

As in previous years, the policy of disposing of excess lands was continued, and a large number of properties were sold. The sale of several rights-of-way, the fee of which was not considered essential, was continued, transmission line rights being retained thereon.

Lands owned by the Commission in connection with power developments, and also lands comprising several hundreds of miles of right-of-way not wholly occupied by the Commission's equipment, were leased wherever possible to adjoining property owners with the dual object of obtaining increased revenue and decreasing maintenance costs. Practically all of the residences owned by the Commission were occupied under lease. The number of income bearing leases approximates 1,500 and the annual revenue is about \$90,000.

Residences and other buildings in urban and rural districts, chiefly in the Toronto and Niagara areas, were maintained in good condition and in many cases were rehabilitated and improved in order to meet modern requirements and produce increased revenue.

Surveys

A large number of surveys of lands owned, and of properties being acquired, were made. Surveys covering a large number of canal and river crossings were completed for Government approval.

In practically all cases where surveys of lands held in fee were made, standard H-E.P.C. monuments were placed to mark the boundaries; some 350 monuments were so placed.

Surveys of right-of-way from Oshawa to Bowmanville, Newmarket to Jersey Side Road were made and monuments placed to define limits of property over which the Commission retained transmission line rights after sale of property.

The more important field surveys made were in connection with the following properties:

Generating Stations and Sites: Walkerton, Appleton and Pakenham.

Transformer and Distribution Stations: Pelham, Burlington, Beaumaris, Virgil, Fonthill, Cainsville, Huntsville, Clinton, Penetang, Vittoria, Roslyn, Birchcliff, East York, Fairbank, Sioux Lookout, Kingswood, Glencairn, Hudson, Long Lac, Dumfries, Norfolk and Waubauskene.

Patrolmen's Cottage Sites: LaForest, Shining Tree and Mattagami, Islington Jct. to Wiltshire Jct. (Union St. to C.P.R. and Silverthorne Avenue to Carrick Ave.) N.66x82.

Owing to the changed conditions obtaining, it has been found necessary to re-survey the original high-tension transmission system constructed in 1909, the easements for which expired in 1939. Survey work, which commenced late in the year, will require at least a year to complete.

Records

The following is a brief statistical summary of the records made:

- (1) All current deeds including plans attached were copied in the Title Record Books, and Title record plans brought up to date.
- (2) Plans were indexed for all purchases, sales, easements, leases, licenses of occupation, crossings and title records.
 - (a) Purchases and sales of land.
 - (b) Easements.
 - (c) Leases and licenses of occupation, crossings, etc.
 - (d) Title record plans.
- (3) The following were indexed:

Deeds of land.....	124
Tree trimming rights.....	420
Transmission line easements.....	1454

Taxes

Assessments covering Commission owned properties were received from 251 municipalities. Where assessments were not in conformity with the provisions of The Power Commission Act, appeals were made, resulting generally in a reduction of assessment and taxes.

SECTION II

OPERATION OF THE SYSTEMS

OPERATING conditions on all systems were favourable throughout the year. No major failure of equipment occurred, and there were no serious interruptions to service on any part of the Commission's undertakings. Water conditions on the Ottawa, Trent, and Georgian Bay watersheds were approximately normal, taking an average over the year. However, it was necessary at times to draw heavily on storage reserves to maintain stream flow, particularly towards the close of the fiscal year.

Load conditions

The total output during the year, including power generated in the Commission's own generating stations and that purchased from outside sources, amounted to 8,501,894,632 kilowatt-hours. This was the largest output on record and exceeds that of the previous year by 12.1 per cent. The October peak load, including primary and secondary, amounted to 1,963,471 horsepower, which was higher than that of any previous year and exceeded the October peak of 1938 by 7.2 per cent.

The output for primary power purposes also exceeded all previous records for this class of power. Primary demands during the year called for an output on all systems of 6,575,944,747 kilowatt-hours, showing an increase of 7.4 per cent over the previous year. The primary peak load rose to 1,669,337 horsepower in October, which is the highest primary load ever carried and exceeded the October, 1938, primary peak by 185,000 horsepower or 12.4 per cent.

The primary load, which is distinguished from the total load in that it excludes secondary power supplied only as and when available, is of greater significance in relation to revenue and general industrial conditions than is the total load. Allowing for seasonal changes the demand for primary power rose steadily through the year. In the co-operative systems, municipal and rural demands contributed largely to this rise, further aided in September and October by increases in industrial demands, presumably arising from war preparedness. In the Northern Ontario Properties, the substantial growth of recent years continued, the total primary peak load rising from 145,000 horsepower in 1938 to 168,000 horsepower in 1939, an increase of 16.0 per cent.

TOTAL POWER GENERATED

HYDRO-ELECTRIC GENERATING PLANTS

Generating plants	Maximum normal plant capacity Oct. 31, 1939 horsepower	Peak load during fiscal year		Total output during fiscal year	
		1937-38 horse-power	1938-39 horse-power	1937-38 kilowatt-hours	1938-39 kilowatt-hours
Niagara system					
Queenston-Chippawa—Niagara river.	500,000	497,319	494,638	2,326,916,000	2,273,928,000
"Ontario Power"—Niagara river.	180,000	175,603	176,944	389,325,000	680,430,000
"Toronto Power"—Niagara river.	150,000	148,794	136,059	405,610,000	280,146,000
Chats Falls (Ontario half)—Ottawa river.	108,000	112,601	114,611	352,019,350	342,874,500
DeCew Falls—Welland canal.	50,000	48,257	46,917	124,851,000	137,088,000
Steam Plant—Hamilton.	24,000	1,609	8,311	22,000	21,600
Georgian Bay system					
South Falls—South Muskoka river.	5,600	5,831	5,898	27,688,320	23,305,500
Hanna Chute—South Muskoka river.	1,600	1,609	1,743	8,241,600	7,368,000
Trethewey Falls—South Muskoka river.	2,300	2,145	2,145	11,128,800	9,487,200
Ragged Rapids—Musquash river.	10,000	5,630	10,154	927,800	31,595,100
Bala No. 1 and 2—Muskoka river.	600	603	597	3,136,760	2,953,920
Big Chute—Severn river.	5,800	5,791	5,912	23,404,080	22,030,200
Wadell's Falls—Severn river.	1,200	1,072	1,220	3,457,680	2,946,140
Eugenia Falls—Beaver river.	7,800	7,547	7,668	15,086,000	14,091,600
Hanover—Saugeen river.	400	409	416	511,296	205,920
Walkerton—Saugeen river.	500	489	489	2,066,200	1,448,200
Eastern Ontario system					
Sidney—Dam No. 2, Trent river.	4,500	5,228	5,261	22,146,600	20,626,200
Frankford—Dam No. 5—Trent river.	3,500	3,861	3,861	18,593,700	15,493,600
Sills Island—Dam No. 6—Trent river.	2,100	2,212	2,332	9,939,000	9,433,680
Meyersburg—Dam No. 8—Trent river.	7,000	8,043	7,895	40,533,040	28,656,400
Hague's Reach—Dam No. 9—Trent river.	4,500	5,295	4,799	24,152,800	20,454,630
Ranney Falls—Dam No. 10—Trent river.	11,500	11,944	11,930	52,556,540	49,417,880
Seymour—Dam No. 11—Trent river.	4,200	4,692	4,826	19,917,600	17,569,920
Heely Falls—Dam No. 14—Trent river.	15,300	16,186	16,086	66,238,900	58,163,420
Auburn—Dam No. 18—Trent river.	2,400	2,788	2,607	13,084,310	11,444,580
Douro—Lock No. 24—Otonabee river.	900	1,072	938	1,043,400	161,850
Lakefield—Otonabee river.	2,300	2,413	2,413	11,258,640	9,971,260
Young's Point—Otonabee river.	500	603	0	118,650	0
Fenelon Falls—Dam No. 30—Sturgeon river.	1,000	938	952	2,275,050	2,505,800
High Falls—Mississippi river.	3,000	3,264	3,271	13,106,640	8,595,240
Carleton Place—Mississippi river.	400	509	0	2,520	0
Calabogie—Madawaska river.	6,000	5,932	6,354	19,620,070	18,608,390
Galetta—Mississippi river.	1,100	1,253	1,206	2,491,800	2,260,200
Thunder Bay system					
Cameron Falls—Nipigon river.	73,500	76,407	75,201	356,173,000	362,880,000
Alexander—Nipigon river.	50,000	53,887	52,681	270,743,600	273,028,800
Northern Ontario Properties					
Nipissing district					
Nipissing—South river.	2,100	2,239	2,259	7,619,160	7,329,560
Bingham Chute—South river.	1,200	1,314	1,287	3,738,560	3,771,440
Elliot Chute—South river.	1,700	1,917	1,897	2,891,400	2,781,400
Sudbury district					
Coniston—Wanapitei river.	5,900	5,630	5,764	20,605,300	23,322,350
McVittie—Wanapitei river.	3,100	3,150	3,217	16,082,250	17,374,700
Stinson—Wanapitei river.	7,500	7,399	6,917	21,492,000	19,308,000
Crystal Falls—Sturgeon river.	10,000	6,971	8,190	17,326,170	25,708,295
Abitibi district					
Abitibi Canyon—Abitibi river.	240,000	172,252	188,740	696,148,500	901,415,000
Patricia-St. Joseph district					
Ear Falls—English river.	9,000	5,965	9,122	27,910,900	38,190,600
Rat Rapids—Albany river.	3,000	3,097	3,458	14,955,780	17,086,540
Total generated.	1,525,000	*	*	5,467,157,766	5,795,479,615

*Because the peak loads on the various generating plants and purchased power sources usually occur at different times, the sum of the individual peak loads would not represent the sum of the peak loads on the systems. These, in the case of each system, must relate to the maximum load occurring at any one time. Consequently, the column headed "Peak load" is not totalled.

AND PURCHASED—ALL SYSTEMS

POWER PURCHASED

Power source	Contract amount horsepower Oct. 31, 1939	Total purchased	
		1937-38 Kilowatt-hours	1938-39 Kilowatt-hours
Canadian Niagara Power Co.....	20,000	85,139,200	84,170,800
Gatineau Power Co.—25-cycle.....	200,000	701,642,880	914,970,500
Ottawa Valley Power Co.....	108,000	352,019,350	342,874,500
Beauharnois Light, Heat and Power Co.....	150,000	509,900,000	727,740,000
Maclaren-Quebec Power Co.....	60,000	180,097,000	272,709,000
Gatineau Power Co.—60-cycle delivery at 110 kv.	60,000	195,820,270	274,342,600
Gatineau Power Co.—60-cycle delivery at 11 kv.	20,000	65,019,600	65,737,800
Gatineau Power Co.—60-cycle delivery to Treadwell	350	0	369,000
M.F. Beach Estate.....	500	1,567,200	1,698,400
Rideau Power Co.....	400	2,563,600	1,840,400
Campbellford Water & Light Commission.....	800	3,699,700	3,722,900
Abitibi Power & Paper Co.....	500	158,557	317,557
Manitoulin Pulp Co.*.....	300	444,100	620,700
Huronian Co.*.....	300	0	180,200
Pembroke Electric Light Co. Ltd.*.....	400	0	No record
Orillia Water, Light & Power Commission*.....	400	124,380	643,800
Gananoque Light, Heat & Power Co.*.....	160	No record	250,740
Kaministiquia Power Co.†.....		16,717,920	13,844,320
Fenelon Falls Light, Heat & Power Commission†.....		1,050	5,600
Welland Ship Canal†.....		0	376,200
Total purchased.....	622,110	2,114,914,807	2,706,415,017

Power purchased, contract amount, 1939.....	622,110 horsepower
Maximum normal plant capacity, 1939.....	1,525,000 "
Total available capacity generated and purchased, 1939.....	2,147,110 "
Total available capacity generated and purchased, 1938.....	2,059,405 "
Difference (increase).....	87,705 "
Total energy purchased, 1939.....	2,706,415,017 kilowatt-hours
Total energy generated, 1939.....	5,795,479,615 " "
Total energy generated and purchased, 1939.....	8,501,894,632 " "
Total energy generated and purchased, 1938.....	7,582,072,573 " "
Difference (increase).....	919,822,059 " "

*Purchased for delivery to remote rural power districts.

†Purchased on kilowatt-hour basis.

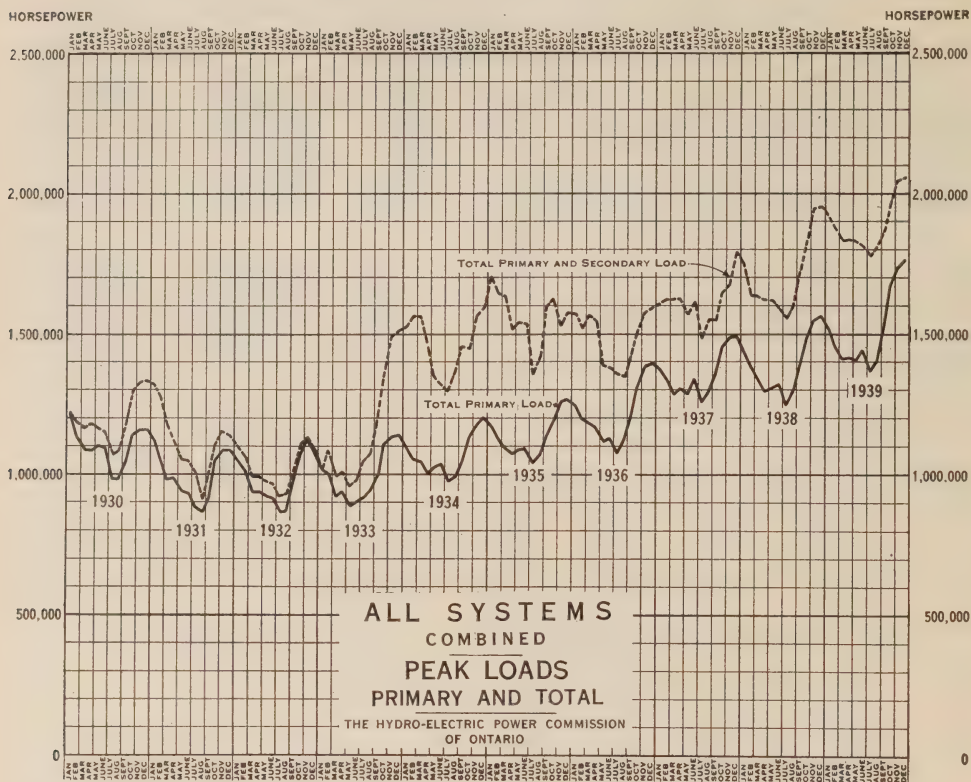
‡Emergency use.

CAUTION: The figures for "Maximum normal plant capacity" reflect the capacity of the various plants under the most favourable operating conditions which can reasonably be considered as normal, taking into consideration turbine capacity as well as generator capacity, and also the net operating head and available water supply.

Owing, among other things, to changes in generating equipment due to wear and tear or the replacement of parts, also to changes in limitations governing water levels and effective net heads, the maximum normal plant capacity is not a fixed quantity but is one which must be revised from time to time.

It is particularly important to bear in mind that the column headed "Maximum normal plant capacity" cannot be taken as an indication of the dependable capacity of the various plants: in some cases, it is, but in many cases it is not. Chief among the factors which govern the maximum dependable capacity of a hydraulic power plant and which are not reflected in column headed "Maximum normal plant capacity" are abnormal variations in water supply and operating limitations encountered when plants are so situated on a given stream as to be affected by one another.

Details regarding the load of each of the co-operative systems and of the several districts of the Northern Ontario Properties are given in the load graphs in this section of the Report.



FORESTRY DIVISION

The Forestry division continued its regular transmission and rural line-clearing operations to protect the Commission's lines, equipment and service from tree interference.

Reforestation was continued, but confined to replacement plantings on non-revenue producing lands in the Niagara system. Work was also carried out on generating and transformer station grounds for the preservation and maintenance of existing trees and shrubs.

Transmission and Rural Line-clearing Operations

The year's operations involved treatment of 97,000 trees and 824 pole spans of underbrush spread over 3,907 miles of power transmission and telephone line. Rural work was increased by reason of county and township roads taken over by the Department of Highways and the construction of new lines along the King's highways.



SYMMETRICAL PRUNING OF TREES BORDERING HIGHWAYS

New Construction Line-Clearing Operations

Operations were performed to obtain clearance for approximately 137 miles of new transmission and rural line. This work involved trimming of 3,400 trees, and removal of 680 diseased and dangerous trees.

Reforestation

- Reforestation operations involved planting of approximately 3,100 coniferous and deciduous trees to replace losses at DeCew and Queenston generating stations and Toronto Power transformer station.

Municipal Hydro Systems

Line-clearing operations were performed for fifteen municipalities. This work involved treatment of 3,450 trees spread over approximately 59 miles of distribution line.

RADIO COMMUNICATION

The Commission short-wave radio stations at Toronto and in the generating stations at Cameron Falls, Ear Falls and Rat Rapids have continued

to operate satisfactorily. Two additional stations were placed in service at Timmins and Frederick House Lake dam in the Abitibi district.

New transmitting equipment was purchased to improve service communication between Toronto and Ear Falls and Rat Rapids generating stations.

NIAGARA SYSTEM

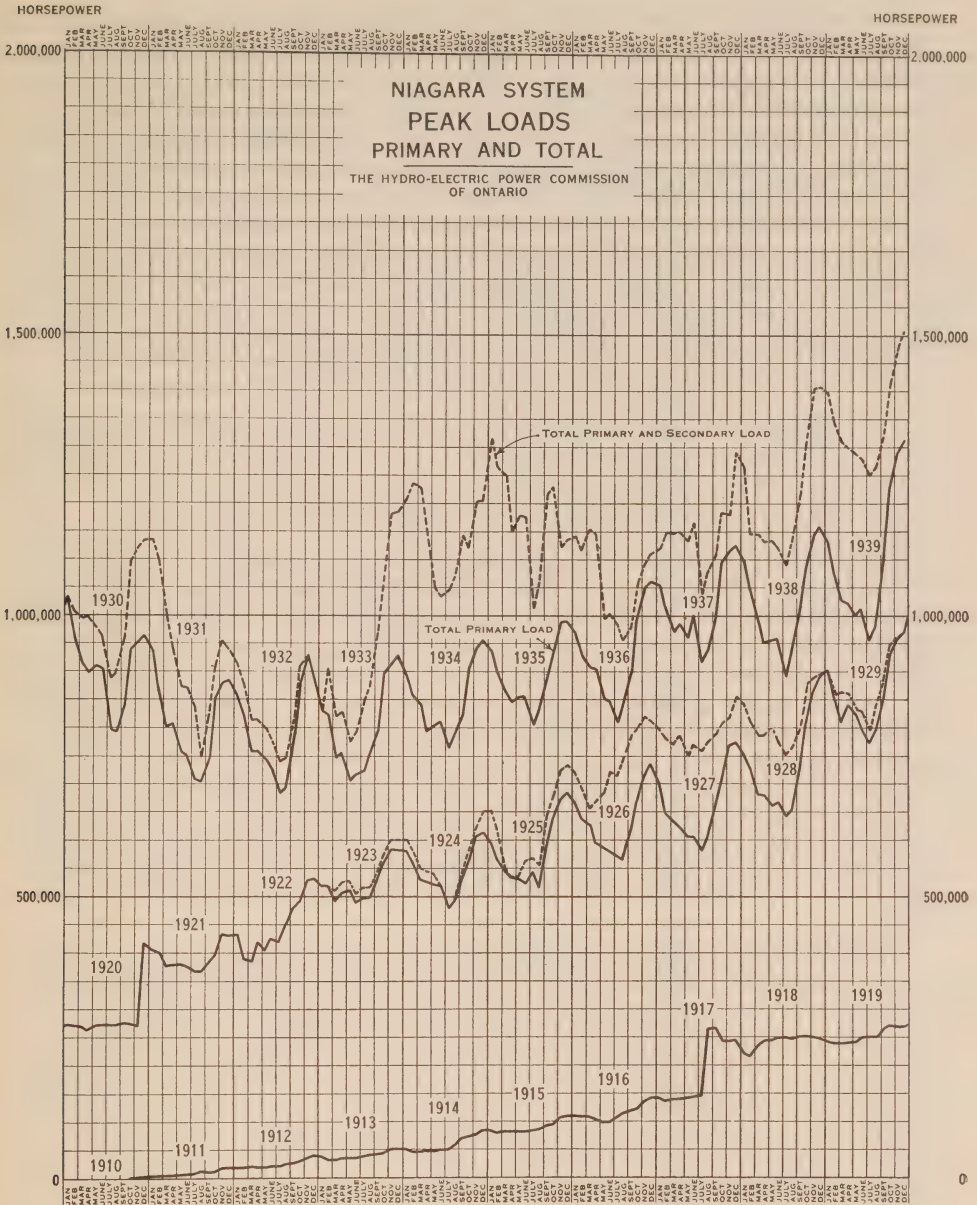
The total output on the Niagara system, which distributes a little more than 70 per cent of all the power distributed by the Commission, rose to new heights in 1939, exceeding the total output in the previous year by 11.6 per cent. Approximately 77 per cent of the total output was consumed in primary services. Compared with the previous year, the output for primary power purposes was 4.9 per cent greater. At the commencement of the year primary demands were on about the same level as in the like period a year earlier, but as the year advanced the 1939 level rose steadily above the level of 1938 until near the end when a sharply rising trend developed. At the close of the fiscal year primary demands were 13 per cent higher. In October, 1939, the system primary peak load was 1,228,552 horsepower, or 13.1 per cent greater than in October, 1938, and was in excess of the highest previous peak on record. Load growth continued through November and December.

During the major portion of the year, power resources available to the system were fully loaded. In addition to meeting all primary power requirements, the system produced approximately 1,400,000,000 kilowatt-hours for delivery to users of secondary power.

Transmission line operating conditions throughout the year were most favourable. Interruptions to service caused by lightning, sleet, and gales, the chief enemies of electric-power transmission, were relatively few, and little damage was done to lines or equipment. During the year there were two complete failures to service of all customers on the Dominion Power and Transmission division of the Niagara system. There was also one complete interruption on the 220,000-volt lines supplying power from eastern sources.

The Niagara river plants have been operated in conjunction with Quebec power sources to meet system load requirements in the most economical manner. In general, the full output of these plants, as governed by water limitations and seasonal power demands, has been available throughout the year. Little trouble was experienced from ice conditions in the Niagara river during the winter. On only one occasion, January 30, was there any appreciable loss in Niagara generating capacity from this cause.

The output of the two units at the Canadian Niagara Company's plant, reserved for the Commission's use, was available to the Niagara system throughout the year. Practically none of the usual trouble from ice at the Canadian Niagara Power Company's plant was experienced during the winter. On only one occasion, January 30 and 31, was there any deficiency in the supply to the Commission from this cause. The power agreement



with the Canadian Niagara Power Company, which expired on April 30, 1939, was renewed with slight modifications for a further period of five years.

Operation of the Chats Falls generating station encountered no special difficulties during the year, although on one occasion, lasting for the greater part of two days, the worst frazil ice conditions since the plant commenced operation were experienced. At one time the output of the plant was confined to one unit, and that under the most difficult operating conditions. Otherwise the full output of the plant, as governed by the Ottawa river flow, was available to the Niagara system.

On the Ottawa river the natural run-off was subnormal during the fall months of 1938 to the extent that it almost equalled the low conditions experienced during the fall of 1933. This condition continued throughout the winter months with the result that the storage reserves were drawn on to the limit in order to maintain a winter flow of 19,000 to 22,000 cubic feet per second. Storage conditions were further impaired, almost to the danger point, by the latest spring thaw since the plant began operation. The spring run-off commenced on April 6, which was about two weeks later than usual. The maximum 24-hour river flow passing the plant was 134,550 cubic feet per second on May 15, and the minimum 24-hour flow for the year, 18,129 cubic feet per second, occurred on February 6. While the total volume of water passing the plant for the year was approximately average, river flow conditions as a whole were less advantageous than usual.

The frequency-changer set at Chats Falls was available as a reserve source of supply for the Eastern Ontario system during the year. The set was used on many occasions, chiefly over the Eastern Ontario system's daily peak periods, to avoid reductions in the supply of secondary power.

The DeCew Falls generating station operated to use all the water available throughout the year. The load demands on the Dominion Power and Transmission division, in excess of the capacity available at the DeCew Falls generating station, were met by the frequency-changer set at Niagara Falls. This set, which was supplied from one of the units at the Toronto Power plant, was used on practically every working day. To complete the usual maintenance schedule at the DeCew Falls generating station, No. 8 generator was taken out of service for general overhaul on October 16. This reduction in capacity, together with increasing load demands, resulted in a shortage of 60-cycle power for the Dominion Power and Transmission division which was met by a temporary supply of approximately 5,000 horsepower from a generating station of the Department of Transport on the Welland Ship canal.

The Hamilton steam station was available during the year as a limited standby reserve for the Dominion Power and Transmission division. The steam station rendered assistance on one day, December 28, 1938, when the output of the DeCew Falls generating station was restricted due to a large accumulation of frazil ice in the forebay. Up to this time the normal operating practice was to keep one of the two steam units available for power purposes, and the generator of the other unit was operated as a synchronous condenser floating on the Hamilton section of the 60-cycle system. On December 28, 1938, the operation of the one generator as a synchronous condenser was discontinued. The boiler plant was used for generation of steam for commercial purposes throughout the year.

Under the terms of the Quebec power agreements an additional 80,000 horsepower became available to the Niagara system on November 1, 1938. Power supplies during the year from the Quebec sources were:—Gatineau Power Company 200,000 horsepower, Beauharnois Light, Heat and Power Company 150,000 horsepower, Maclaren-Quebec Power Company 60,000 horsepower and the Ottawa Valley Power Company 96,000 horsepower, making a total delivery from eastern sources, including the Commission's half of the Chats Falls plant, of 602,000 horsepower.

NIAGARA SYSTEM—LOADS OF MUNICIPALITIES—1938-1939

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1938	July to Dec., 1939	Decrease	Increase
Acton.....	977.3	1,082.8	.....	105.5
Agincourt.....	185.6	230.8	.....	45.2
Ailsa Craig.....	126.0	126.7	.....	0.7
Alvinston.....	97.6	100.5	.....	2.9
Amherstburg.....	880.7	942.6	.....	61.9
Ancaster Township.....	403.1	447.9	.....	44.8
Arkona.....	62.0	58.8	3.2	.....
Aurora.....	1,261.4	1,325.7	.....	64.3
Aylmer.....	720.3	873.7	.....	153.4
Ayr.....	217.4	236.3	.....	18.9
Baden.....	350.6	368.0	.....	17.4
Beachville.....	481.7	520.6	.....	38.9
Beamsville.....	460.6	441.4	19.2	.....
Belle River.....	180.9	179.1	1.8	.....
Blenheim.....	541.3	604.3	.....	63.0
Blyth.....	119.1	140.4	.....	21.3
Bolton.....	176.6	190.3	.....	13.7
Bothwell.....	136.7	146.0	.....	9.3
Brampton.....	2,952.7	2,932.5	20.2	.....
Brantford.....	16,214.0	17,465.6	.....	1,251.6
Brantford Township.....	790.8	910.2	.....	119.4
Bridgeport.....	146.0	144.2	1.8	.....
Brigden.....	89.0	85.4	3.6	.....
Bronte.....	192.3	219.8	.....	27.5
Brussels.....	144.3	156.2	.....	11.9
Burford.....	192.1	212.4	.....	20.3
Burgessville.....	49.2	58.3	.....	9.1
Burlington.....	1,376.0	1,302.3	73.7	.....
Burlington Beach.....	474.3	434.5	39.8	.....
Caledonia.....	412.8	403.6	9.2	.....
Campbellville.....	35.1	38.3	.....	3.2
Cayuga.....	140.4	156.3	.....	15.9
Chatham.....	6,555.2	6,944.4	.....	389.2
Chippawa.....	321.2	319.6	1.6	.....
Clifford.....	86.4	101.5	.....	15.1
Clinton.....	614.7	631.4	.....	16.7
Comber.....	167.5	145.6	21.9	.....
Cottam.....	84.3	85.8	.....	1.5
Courtright.....	47.0	49.7	.....	2.7
Dashwood.....	85.2	92.3	.....	7.1
Delaware.....	73.7	75.7	.....	2.0
Delhi.....	660.8	781.5	.....	120.7
Dorchester.....	126.4	126.6	.....	0.2
Drayton.....	128.0	133.1	.....	5.1
Dresden.....	396.8	434.3	.....	37.5
Drumbo.....	99.7	114.3	.....	14.6
Dublin.....	88.0	103.5	.....	15.5
Dundas.....	1,959.1	2,202.3	.....	243.2
Dunnville.....	1,193.1	1,363.2	.....	170.1
Dutton.....	271.8	266.1	5.7	.....

NIAGARA SYSTEM—LOADS OF MUNICIPALITIES—1938-1939—Continued

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1938	July to Dec., 1939	Decrease	Increase
Elmira.....	807.6	769.3	38.3	
Elora.....	397.0	412.1		15.1
Embro.....	152.5	124.9	27.6	
Erieau.....	151.4	175.3		23.9
Erie Beach.....	51.2	45.4	5.8	
Essex.....	643.5	495.0	148.5	
Etobicoke Township.....	6,561.9	7,216.0		654.1
Exeter.....	557.6	638.1		80.5
Fergus.....	1,273.4	1,239.9	33.5	
Fonthill.....	146.1	182.3		36.2
Forest.....	483.1	511.2		28.1
Forest Hill.....	7,994.6	8,253.4		258.8
Galt.....	7,709.0	8,906.6		1,197.6
Georgetown.....	1,386.8	1,587.2		200.4
Glencoe.....	233.8	220.4	13.4	
Goderich.....	1,308.7	1,385.1		76.4
Granton.....	75.7	74.8	0.9	
Grimsby.....	1,040.0	993.3	46.7	
Guelph.....	10,223.2	11,016.6		793.4
Hagersville.....	810.7	1,018.9		208.2
Hamilton.....	104,000.0	128,241.0		24,241.0
Harriston.....	398.9	438.9		40.0
Harrow.....	542.6	589.8		47.2
Hensall.....	178.1	243.6		65.5
Hespeler.....	2,044.0	2,594.8		550.8
Highgate.....	82.8	94.1		11.3
Humberstone.....	480.4	556.7		76.3
Ingersoll.....	2,470.4	2,677.7		207.3
Jarvis.....	205.9	202.4	3.5	
Kingsville.....	683.6	736.7		53.1
Kitchener.....	21,053.7	23,460.0		2,406.3
Lambeth.....	149.2	150.1		0.9
La Salle.....	262.0	261.7	0.3	
Leamington.....	2,930.9	2,599.0	331.9	
Listowel.....	1,136.7	1,182.3		45.6
London.....	38,517.6	39,901.5		1,383.9
London Township.....	596.5	596.0	0.5	
Long Branch.....	1,120.6	1,145.8		25.2
Lucan.....	230.4	219.3	11.1	
Lynden.....	105.3	101.5	3.8	
Markham.....	359.2	383.5		24.3
Merlin.....	85.3	109.1		23.8
Merritton.....	5,819.3	6,118.3		299.0
Milton.....	1,124.7	1,188.1		63.4
Milverton.....	347.1	361.9		14.8
Mimico.....	2,827.0	2,819.0	8.0	
Mitchell.....	602.5	641.8		39.3
Moorefield.....	37.8	39.2		1.4
Mount Brydges.....	108.4	109.6		1.2
Newbury.....	39.9	41.8		1.9

NIAGARA SYSTEM—LOADS OF MUNICIPALITIES—1938-1939—Continued

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1938	July to Dec., 1939	Decrease	Increase
New Hamburg	587.8	580.7	7.1	
Newmarket	1,695.8	1,769.4		73.6
New Toronto	7,148.8	8,835.7		1,686.9
Niagara Falls	10,134.0	10,798.9		664.9
Niagara-on-the-Lake	765.4	789.5		24.1
Norwich	409.6	461.1		51.5
Oakville	1,093.8	1,319.0		225.2
Oil Springs	222.1	223.4		1.3
Otterville	120.3	143.4		23.1
Palmerston	487.6	576.4		88.8
Paris	1,376.8	1,754.8		378.0
Parkhill	183.4	185.3		1.9
Petrolia	1,119.0	1,185.2		66.2
Plattsville	89.1	102.9		13.8
Point Edward	1,302.9	1,275.7	27.2	
Port Colborne	2,176.9	2,091.1	85.8	
Port Credit	847.7	922.5		74.8
Port Dalhousie	922.2	912.9	9.3	
Port Dover	416.4	475.2		58.8
Port Rowan	86.9	101.7		14.8
Port Stanley	1,007.0	1,021.2		14.2
Preston	3,173.5	3,307.1		133.6
Princeton	129.4	131.0		1.6
Queenston	137.2	148.4		11.2
Richmond Hill	444.8	482.8		38.0
Ridgetown	571.0	636.5		65.5
Riverside	1,116.9	1,079.0	37.9	
Rockwood	122.6	127.8		5.2
Rodney	185.4	203.6		18.2
St. Catharines	14,673.8	16,106.2		1,432.4
St. Clair Beach	111.2	118.0		6.8
St. George	162.9	135.9	27.0	
St. Jacobs	327.0	378.3		51.3
St. Marys	1,461.6	1,587.6		126.0
St. Thomas	8,024.1	8,471.8		447.7
Sarnia	8,990.9	9,135.3		144.4
Scarboro Township	4,113.9	4,282.6		163.7
Seaforth	558.1	621.2		63.1
Simcoe	2,250.7	2,927.6		676.9
Smithville	414.2	296.0	118.2	
Springfield	67.3	64.3	3.0	
Stamford Township	2,472.6	2,518.9		46.3
Stoney Creek	229.4	246.2		16.8
Stouffville	284.1	272.1	12.0	
Stratford	7,591.5	7,843.8		252.3
Strathroy	1,215.8	1,428.9		213.1
Streetsville	163.5	177.6		14.1
Sutton	441.3	428.5	12.8	
Swansea	2,990.6	3,270.8		280.2
Tavistock	678.2	649.3	28.9	

NIAGARA SYSTEM—LOADS OF MUNICIPALITIES—1938-1939—Concluded

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1938	July to Dec., 1939	Decrease	Increase
Tecumseh.....	464.3	419.8	44.5	.....
Thamesford.....	209.3	225.2	.....	15.9
Thamesville.....	249.0	255.8	.....	6.8
Theftord.....	129.0	150.9	.....	21.9
Thorndale.....	111.4	77.0	34.4	.....
Thorold.....	2,283.0	2,557.6	.....	274.6
Tilbury.....	709.9	584.4	125.5	.....
Tillsonburg.....	1,441.1	1,498.7	.....	57.6
Toronto.....	362,158.2	383,536.2	.....	21,378.0
Toronto Township.....	2,549.5	2,858.7	.....	309.2
Trafalgar Township, Area No. 1.....	467.8	501.7	.....	33.9
Trafalgar Township, Area No. 2.....	145.5	140.6	4.9	.....
Wallaceburg.....	2,584.2	2,629.0	.....	44.8
Wardsville.....	38.2	41.0	.....	2.8
Waterdown.....	256.3	258.2	.....	1.9
Waterford.....	441.0	498.7	.....	57.7
Waterloo.....	3,978.5	4,269.4	.....	290.9
Watford.....	292.2	324.1	.....	31.9
Welland.....	5,917.9	6,587.1	.....	669.2
Wellesley.....	129.7	126.0	3.7	.....
West Lorne.....	137.6	141.8	.....	4.2
Weston.....	4,021.4	3,981.2	40.2	.....
Wheatley.....	165.5	198.7	.....	33.2
Windsor.....	40,043.5	41,658.2	.....	1,614.7
Woodbridge.....	447.7	553.6	.....	105.9
Woodstock.....	6,605.9	7,533.5	.....	927.6
Wyoming.....	165.5	70.0	95.5	.....
York Township East.....	7,776.9	8,335.8	.....	558.9
York Township North.....	5,074.4	5,624.6	.....	550.2
Zurich.....	102.4	114.6	.....	12.2

NIAGARA SYSTEM—RURAL POWER DISTRICT LOADS—1938-1939

Rural power district	Peak load in horsepower		Change in load	
	July to Dec., 1938	July to Dec., 1939	Decrease	Increase
Acton.....	20.0	25.0	.....	5.0
Ailsa Craig.....	33.9	85.5	.....	51.6
Alvinston.....	14.4	47.6	.....	33.2
Amherstburg.....	1,025.0	998.1	26.9	.....
Aylmer.....	757.7	878.6	.....	120.9
Ayr.....	55.5	75.0	.....	19.5
Baden.....	657.2	753.0	.....	95.8
Beamsville.....	1,745.2	1,858.8	.....	113.6
Belle River.....	426.2	462.0	.....	35.8
Blenheim.....	311.8	338.9	.....	27.1

NIAGARA SYSTEM—RURAL POWER DISTRICT LOADS—1938-1939—Continued

Rural power district	Peak load in horsepower		Change in load	
	July to Dec., 1938	July to Dec., 1939	Decrease	Increase
Bond Lake.....	1,639.9	1,849.5	.....	209.6
Bothwell.....	363.1	412.3	.....	49.2
Brampton.....	292.3	300.6	.....	8.3
Brant.....	942.3	1,145.3	.....	203.0
Brigden.....	87.9	112.6	.....	24.7
Burford.....	273.2	310.5	.....	37.3
Caledonia.....	636.1	810.7	.....	174.6
Chatham.....	890.8	997.6	.....	106.8
Chippawa.....	186.2	195.2	.....	9.0
Clinton.....	261.4	290.6	.....	29.2
Delaware.....	559.2	599.9	.....	40.7
Dorchester.....	629.1	716.9	.....	87.8
Dresden.....	140.7	170.3	.....	29.6
Drumbo.....	281.1	330.2	.....	49.1
Dundas.....	1,030.1	1,046.1	.....	16.0
Dunnville.....	117.5	144.2	.....	26.7
Dutton.....	220.2	288.3	.....	68.1
Elmira.....	132.3	135.9	.....	3.6
Elora.....	188.2	282.2	.....	94.0
Essex.....	416.6	458.5	.....	41.9
Exeter.....	755.7	928.5	.....	172.8
Forest.....	129.2	175.6	.....	46.4
Galt.....	330.0	383.4	.....	53.4
Georgetown.....	244.3	286.7	.....	42.4
Goderich.....	200.6	209.4	.....	8.8
Grantham.....	667.6	837.1	.....	169.5
Guelph.....	696.2	766.2	.....	70.0
Haldimand.....	459.2	568.3	.....	109.1
Harriston.....	50.7	52.0	.....	1.3
Harrow.....	1,053.9	1,148.6	.....	94.7
Ingersoll.....	688.9	765.2	.....	76.3
Jordan.....	440.8	642.9	.....	202.1
Keswick.....	1,487.5	1,557.0	.....	69.5
Kingsville.....	1,312.4	1,494.3	.....	181.9
Listowel.....	351.2	417.6	.....	66.4
London.....	2,577.0	2,757.8	.....	180.8
Lucan.....	136.9	186.4	.....	49.5
Lynden.....	268.3	312.4	.....	44.1
Markham.....	871.0	935.0	.....	64.0
Merlin.....	309.4	317.2	.....	7.8
Milton.....	264.6	312.6	.....	48.0
Milverton.....	166.2	196.5	.....	30.3
Mitchell.....	352.5	411.9	.....	59.4
Newmarket.....	461.7	539.8	.....	78.1
Niagara.....	899.2	955.7	.....	56.5
Norwich.....	651.6	710.3	.....	58.7
Oil Springs.....	98.2	117.0	.....	18.8
Palmerston.....	132.3	149.5	.....	17.2
Petrolia.....	70.9	121.0	.....	50.1
Preston.....	1,677.5	1,695.2	.....	17.7

NIAGARA SYSTEM—RURAL POWER DISTRICT LOADS—1938-1939—Concluded

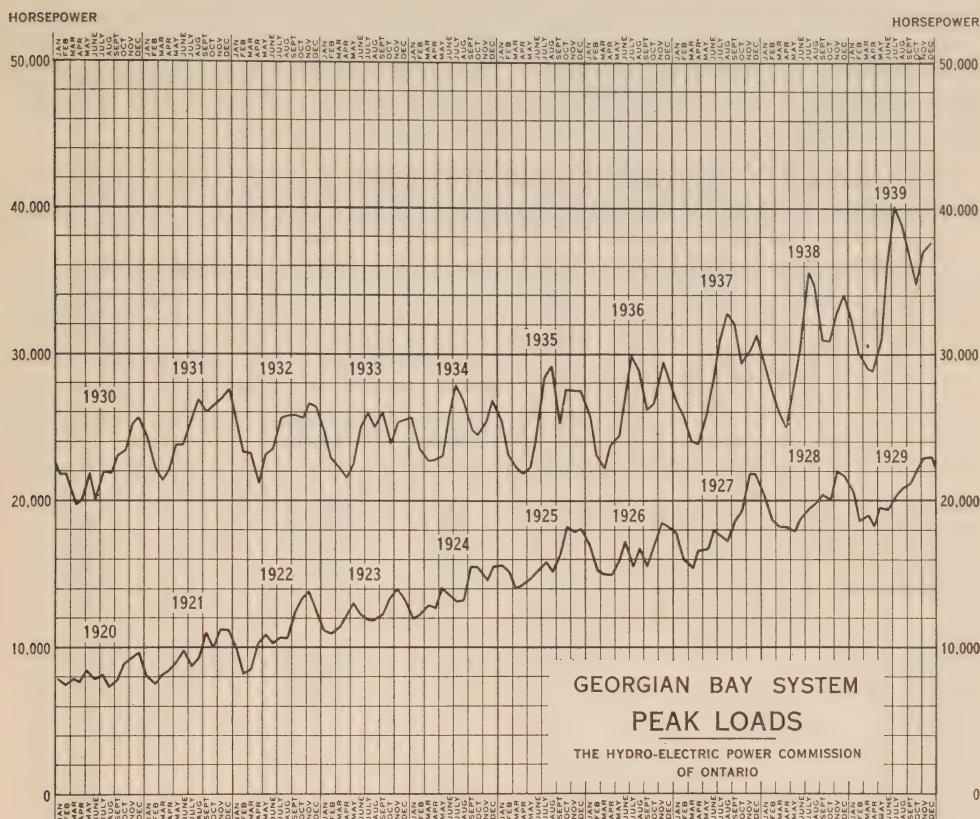
Rural power district	Peak load in horsepower		Change in load	
	July to Dec., 1938	July to Dec., 1939	Decrease	Increase
Ridgetown.....	605.3	679.5	.....	74.2
St. Jacobs.....	372.6	487.9	.....	115.3
St. Marys.....	561.9	700.1	.....	138.2
St. Thomas.....	1,107.6	1,379.4	.....	271.8
Saltfleet.....	1,529.0	1,802.9	.....	273.9
Sandwich.....	1,487.1	1,602.9	.....	115.8
Sarnia.....	1,028.3	1,153.0	.....	124.7
Scarboro.....	781.0	945.4	.....	164.4
Seaforth.....	84.3	95.7	.....	11.4
Simcoe.....	609.0	655.3	.....	46.3
Stamford.....	295.1	266.2	28.9	.....
Stratford.....	317.1	352.5	.....	35.4
Strathroy.....	232.0	305.6	.....	73.6
Streetsville.....	566.8	698.4	.....	131.6
Tavistock.....	417.0	499.0	.....	82.0
Thamesville.....	235.0	266.0	.....	31.0
Tilbury.....	300.3	340.5	.....	40.2
Tillsonburg.....	724.5	829.5	.....	105.0
Wallaceburg.....	384.3	411.9	.....	27.6
Walsingham.....	722.4	894.6	.....	172.2
Walton.....	207.6	255.8	.....	48.2
Waterdown.....	1,504.2	1,675.2	.....	171.0
Waterford.....	445.7	553.3	.....	107.6
Watford.....	88.7	126.1	.....	37.4
Welland.....	1,760.2	1,920.5	.....	160.3
Woodbridge.....	1,084.2	1,165.8	.....	81.6
Woodstock.....	1,064.6	1,108.9	.....	44.3

GEORGIAN BAY SYSTEM

The Georgian Bay system peak load was 13.2 per cent, and the energy distributed 10.4 per cent, in excess of last year. The addition of the Ragged Rapids plant to the system generating sources provided for the increase in system energy requirements and at the same time allowed a decrease in the energy transferred from the Niagara system, this transfer being only 45 per cent of that in 1938.

After November 23, following final tests and adjustments, both units at Ragged Rapids plant were available for service.

As a result of the increased generating capacity provided by the new generating station at Ragged Rapids, assistance was required from Niagara system in November, December, January and June only over peak periods. No assistance was required in February, March, April and May, excepting



for short intervals during line trouble. In July, August, September and October assistance was required to supply both peaks and energy, as system loads were at their maximum in July and August and certain units were out of service in September and October for maintenance.

Assistance was given the Orillia Water, Light and Power Commission to the extent of approximately 32,000 kilowatt-hours between October 14 and 31. This was required due to low river flows past Orillia plants.

The only serious interruptions of power service occurred December 27 when rain and soft snow, followed by a sudden drop in temperature and accompanied by extremely high wind, caused violent whipping of transmission lines, and customers in Owen Sound area had a series of interruptions totalling four to five hours. As a result of this storm the town of Wingham also was without power for nearly 24 hours, due to failure of power transformers in Wingham distributing station. Line patrol and other work incidental to the restoration of service was made extremely difficult owing to the practically impassable condition of snow-blocked roads.

The automatic reclosing feature placed in service on tie line and radial feeder oil switches at Waubaushene and Fergusonvale auto-transformer stations during the year has resulted in adding still further to the continuity of service.

At Eugenia Falls generating station the wooden housing of No. 2 surge tank was destroyed by fire April 29, 1939. Repairs were made to the concrete pedestals supporting this tank. The steel tank and supporting columns were cleaned off and painted, following which reconstruction of the housing was undertaken by the Construction department.

At Sauble Falls generating station all hydraulic and electrical equipment was removed to storage, the old building demolished and the site cleaned up.

GEORGIAN BAY SYSTEM—LOADS OF MUNICIPALITIES—1938-1939

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1938	July to Dec., 1939	Decrease	Increase
Alliston.....	330.3	355.7	.....	25.4
Arthur.....	170.3	183.2	.....	12.9
Bala.....	309.0	359.0	.....	50.0
Barrie.....	3,067.2	3,931.0	.....	863.8
Beaverton.....	289.5	338.1	.....	48.6
Beeton.....	113.2	100.4	12.8	.....
Bradford.....	196.6	202.1	.....	5.5
Brechin.....	87.3	78.7	8.6	.....
Cannington.....	181.2	196.2	.....	15.0
Carlsruhe.....	5.0	5.0	.....	.....
Chatsworth.....	77.6	86.4	.....	8.8
Chesley.....	574.8	600.3	.....	25.5
Coldwater.....	330.9	367.9	.....	37.0
Collingwood.....	1,694.4	1,694.2	0.2	.....
Cookstown.....	93.7	82.6	11.1	.....
Creemore.....	134.0	146.4	.....	12.4
Dundalk.....	218.7	258.5	.....	39.8
Durham.....	509.2	398.5	110.7	.....
Elmvale.....	166.2	226.2	.....	60.0
Elmwood.....	64.0	74.3	.....	10.3
Flesherton.....	80.8	89.6	.....	8.8
Grand Valley.....	147.2	164.1	.....	16.9
Gravenhurst.....	1,001.6	1,037.9	.....	26.3
Hanover.....	1,135.6	1,202.9	.....	67.3
Hepworth.....	29.0	32.8	.....	3.8
Holstein.....	21.8	20.1	1.7	.....
Huntsville.....	1,134.5	1,255.8	.....	121.3
Kincardine.....	746.6	753.4	.....	6.8
Kirkfield.....	27.0	28.0	.....	1.0
Lucknow.....	280.4	270.8	9.6	.....
MacTier.....	149.0	149.0	.....	.....
Markdale.....	188.2	235.5	.....	47.3
Meaford.....	766.8	622.6	144.2	.....
Midland.....	3,131.8	3,481.7	.....	349.9
Mildmay.....	124.8	135.7	.....	10.9
Mount Forest.....	573.3	608.4	.....	35.1
Neustadt.....	39.1	49.3	.....	10.2
Orangeville.....	695.5	781.7	.....	86.2
Owen Sound.....	4,380.0	4,567.8	.....	187.8
Paisley.....	134.7	145.2	.....	10.5

GEORGIAN BAY SYSTEM—LOADS OF MUNICIPALITIES—1938-1939—Concluded

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1938	July to Dec., 1939	Decrease	Increase
Penetang.....	767.0	874.8	.....	107.8
Port Carling.....	302.0	299.0	3.0	.....
Port Elgin.....	454.0	506.9	.....	52.9
Port McNicoll.....	90.4	104.7	.....	14.3
Port Perry.....	307.7	315.5	.....	7.8
Priceville.....	16.6	10.0	6.6	.....
Ripley.....	77.0	96.8	.....	19.8
Rosseau.....	63.3	53.6	9.7	.....
Shelburne.....	248.1	262.7	.....	14.6
Southampton.....	435.7	440.4	.....	4.7
Stayner.....	311.6	332.5	.....	20.9
Sunderland.....	81.3	95.2	.....	13.9
Tara.....	108.8	114.1	.....	5.3
Teeswater.....	149.6	173.3	.....	23.7
Thornton.....	30.5	40.3	.....	9.8
Tottenham.....	85.7	99.4	.....	13.7
Uxbridge.....	297.0	341.7	.....	44.7
Victoria Harbour.....	75.0	87.2	.....	12.2
Walkerton.....	732.6	820.2	.....	87.6
Waubashene.....	138.7	161.9	.....	23.2
Warton.....	320.7	463.2	.....	142.5
Windermere.....	96.9	104.8	.....	7.9
Wingham.....	487.2	532.2	.....	45.0
Woodville.....	88.8	93.0	.....	4.2

GEORGIAN BAY SYSTEM—RURAL POWER DISTRICT LOADS—1938-1939

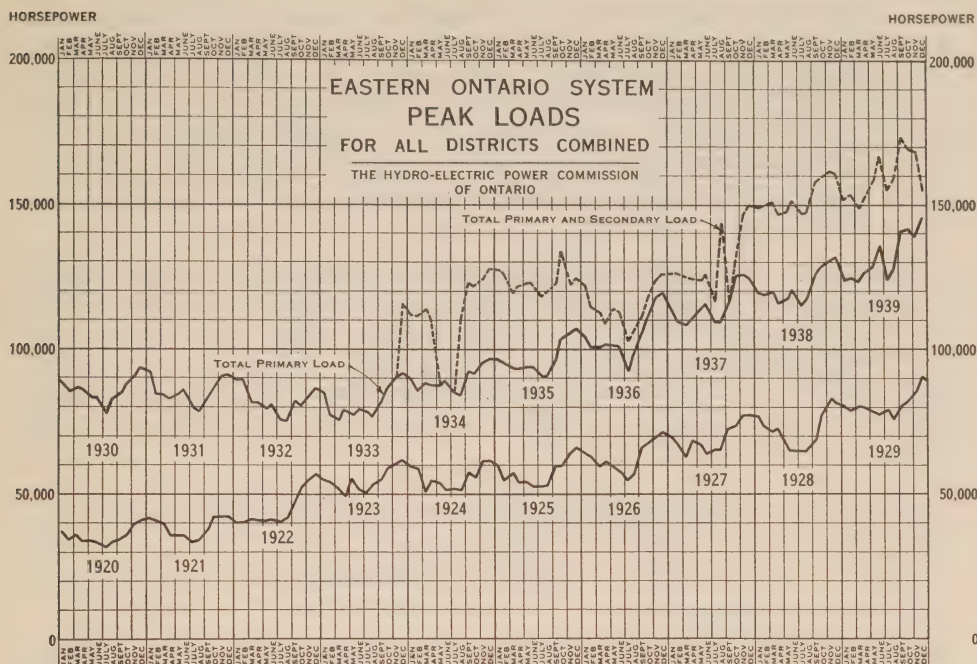
Rural power district	Peak load in horsepower		Change in load	
	July to Dec., 1938	July to Dec., 1939	Decrease	Increase
Alliston.....	149.5	192.7	.....	43.2
Arthur.....	12.0	27.5	.....	15.5
Bala.....	391.0	554.0	.....	163.0
Barrie.....	678.5	781.1	.....	102.6
Baysville.....	183.2	225.9	.....	42.7
Beaumaris.....	639.4	677.3	.....	37.9
Beaverton.....	370.1	462.5	.....	92.4
Beeton.....	5.0	5.0	.....	.....
Bradford.....	96.1	106.2	.....	10.1
Bruce.....	327.0	430.5	.....	103.5
Buckskin.....	25.7	30.7	.....	5.0
Cannington.....	100.6	110.5	.....	9.9
Chatsworth.....	12.6	30.2	.....	17.6
Cookstown.....	2.5	4.5	.....	2.0
Creemore.....	123.6	146.0	.....	22.4

GEORGIAN BAY SYSTEM—RURAL POWER DISTRICT LOADS—1938-1939
—Concluded

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1938	July to Dec., 1939	Decrease	Increase
Dundalk	34.5	39.1	.....	4.6
Elmvale	138.5	117.0	21.5	.....
Flesherton	53.9	52.7	1.2	.....
Gravenhurst	103.0	98.5	4.5	.....
Hawkestone	227.8	257.4	.....	29.6
Holstein	5.8	23.5	.....	17.7
Huntsville	269.6	377.3	.....	107.7
Innisfil	809.6	944.6	.....	135.0
Kirkfield	34.0	46.0	.....	12.0
Lucknow	18.5	25.0	.....	6.5
Mariposa	233.2	271.0	.....	37.8
Markdale	55.0	62.0	.....	7.0
Meaford	134.2	157.9	.....	23.7
Medonte	195.7	255.4	.....	59.7
Midland	420.0	526.6	.....	106.6
Minden	89.8	147.0	.....	57.2
Mount Forest .....	.....	24.8	.....	.....
Neustadt	8.3	54.6	.....	46.3
Nottawasaga	58.3	61.4	.....	3.1
Orangeville	137.8	167.7	.....	29.9
Owen Sound	134.6	145.9	.....	11.3
Port Perry	241.3	286.6	.....	45.3
Ripley	98.4	128.8	.....	30.4
Sauble	115.8	126.5	.....	10.7
Shelburne	42.7	51.6	.....	8.9
South Falls	9.0	18.0	.....	9.0
Sparrow Lake	326.5	406.7	.....	80.2
Tara	120.0	155.7	.....	35.7
Thornton	22.3	26.2	.....	3.9
Tottenham	16.5	31.5	.....	15.0
Utterson	229.7	272.6	.....	42.9
Uxbridge	150.7	169.4	.....	18.7
Wasaga Beach	742.6	952.6	.....	210.0
Wroxeter	183.7	226.6	.....	42.9

EASTERN ONTARIO SYSTEM

The load on the Eastern Ontario system reflected a slowing down in industrial activities during the earlier months of the fiscal year. However, beginning with the month of April the primary peak demand showed a substantial increase which continued until the end of the calendar year. The primary energy demand showed a slight decrease during the months of November and December, 1938, and then continued at a slightly less than normal rate of increase until the month of September when a substantial increase was shown which continued until the end of the calendar year 1939. The primary peak, which amounted to 141,908 horsepower in the month of



October, 1939, represented an increase of 10.4 per cent over the corresponding month of the previous year and exceeded all recorded maxima. The total primary energy, which amounted to 495,464,255 kilowatt-hours, represented an increase of 3.3 per cent over the previous fiscal year.

Secondary energy, amounting to a total of 157,132,500 kilowatt-hours, was delivered to the steam generator at the Howard Smith Paper Mills at Cornwall. Of this amount, 114,800,000 kilowatt-hours were supplied direct from Eastern Ontario system generating and purchased sources, and the balance by transfer from the Niagara system. Compared with the previous year, the total output of secondary energy from all sources represented an increase of 4.5 per cent.

In order to improve local operating conditions and provide increased service security to customers in Prince Edward county, a new section of 44,000-volt line, approximately 4.7 miles in length, was placed in service on January 15, thereby providing a direct source of supply to the above customers from Sidney terminal station.

The newly constructed 44,000-volt line between Sills Island generating station near Frankford and Sidney terminal station, together with a new 3-phase, 3,000-kv-a transformer station, was placed in service on February 19.

The system power resources, including generating capacity and power purchased under contract, were at all times sufficient to meet all primary demands. On one occasion, however, as a result of serious damage to the 44,000-volt line network caused by winds of cyclonic proportions on September 8, it became necessary to operate the frequency-changer set at Chats Falls in order to meet the primary demand of the Central Ontario district.

Stream flow conditions on the Trent river were, on the whole, fairly satisfactory throughout the year. Rainfall was considerably below normal during months of May and June. July average was well above normal, but actually the dry period lasted until July 27, the total for the month being brought above normal by exceptionally heavy rainfall during the last four days. Precipitation remained practically normal during the months of August and September, but dropped to approximately 89 per cent of normal during the month of October.

During the year the usual programme of general plant inspection and maintenance was carried out. A number of turbines were unwatered and inspected, and necessary repairs and adjustments made. The governors in the various plants were inspected and adjusted. Several of the forebays were unwatered, racks cleaned, sunken debris removed, and the concrete carefully inspected. Lightning arresters were overhauled during the winter season.

EASTERN ONTARIO SYSTEM—LOADS OF MUNICIPALITIES—1938-1939

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1938	July to Dec., 1939	Decrease	Increase
Alexandria.....	229.2	229.8	.....	0.6
Apple Hill.....	46.1	55.0	.....	8.9
Arnprior.....	1,005.0	1,176.1	.....	171.1
Athens.....	123.3	119.8	3.5	.....
Bath.....	47.3	52.1	.....	4.8
Belleville.....	5,560.1	6,172.4	.....	612.3
Bloomfield.....	126.4	124.4	2.0	.....
Bowmanville.....	2,404.3	2,622.6	.....	218.3
Braeside.....	167.6	234.6	.....	67.0
Brighton.....	369.0	424.7	.....	55.7
Brockville.....	3,868.6	3,920.0	.....	51.4
Cardinal.....	258.4	319.5	.....	61.1
Carleton Place.....	1,682.2	1,731.9	.....	49.7
Chesterville.....	283.2	293.4	.....	10.2
Cobden.....	77.0	75.1	1.9	.....
Cobourg.....	1,749.3	2,104.4	.....	355.1
Colborne.....	222.5	229.8	.....	7.3
Deseronto.....	165.5	182.6	.....	17.1
Finch.....	85.3	101.0	.....	15.7
Frankford.....	113.9	155.8	.....	41.9
Hastings.....	102.8	116.8	.....	14.0
Havelock.....	171.1	188.8	.....	17.7
Kemptville.....	413.2	423.7	.....	10.5
Kingston.....	9,816.4	10,414.3	.....	597.9
Lakefield.....	294.6	319.3	.....	24.7
Lanark.....	85.8	92.6	.....	6.8
Lancaster.....	53.8	56.8	.....	3.0
Lindsay.....	2,507.5	2,817.0	.....	309.5
Madoc.....	204.4	213.8	.....	9.4
Marmora.....	140.9	151.1	.....	10.2

EASTERN ONTARIO SYSTEM—LOADS OF MUNICIPALITIES—1938-1939—Concluded

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1938	July to Dec., 1939	Decrease	Increase
Martintown	40.2	42.2	.....	2.0
Maxville	103.2	118.0	.....	14.8
Millbrook	84.4	97.5	.....	13.1
Morrisburg	244.6	207.4	37.2	.....
Napanee	1,340.5	1,311.1	29.4	.....
Newburg	42.3	40.3	2.0	.....
Newcastle	147.2	170.3	.....	23.1
Norwood	142.1	171.3	.....	29.2
Omeme	129.8	183.6	.....	53.8
Orono	107.3	97.2	10.1	.....
Oshawa	15,803.3	16,583.1	.....	779.8
Ottawa	30,589.4	31,344.3	.....	754.9
Perth	1,551.3	1,572.4	.....	21.1
Peterborough	9,783.0	11,805.4	.....	2,022.4
Pictou	1,158.8	1,280.2	.....	121.4
Port Hope	1,906.7	2,145.0	.....	238.3
Prescott	1,053.8	1,129.4	.....	75.6
Richmond	54.9	73.7	.....	18.8
Russell	68.8	72.8	.....	4.0
Smiths Falls	2,300.1	2,426.7	.....	126.6
Stirling	337.8	334.4	3.4	.....
Trenton	3,625.6	3,976.3	.....	350.7
Tweed	246.2	271.4	.....	25.2
Warkworth	86.0	90.5	.....	4.5
Wellington	253.5	254.7	.....	1.2
Westport	92.5	96.8	.....	4.3
Whitby	1,308.3	1,355.2	.....	46.9
Williamsburg	185.6	180.8	4.8	.....
Winchester	331.2	342.1	.....	10.9

EASTERN ONTARIO SYSTEM—RURAL POWER DISTRICT LOADS—1938-1939

Rural power district	Peak load in horsepower		Change in load	
	July to Dec., 1938	July to Dec., 1939	Decrease	Increase
Alexandria	82.4	95.0	.....	12.6
Arnprior	383.4	502.5	.....	119.1
Bellefleur	566.5	606.6	.....	40.1
Bowmanville	118.8	150.9	.....	32.1
Brighton	28.0	30.0	.....	2.0
Brockville	506.1	584.7	.....	78.6
Calabogie	48.3	67.6	.....	19.3
Campbellford	117.7	117.8	.....	0.1
Carleton Place	53.0	78.8	.....	25.8
Chesterville	417.6	410.8	6.8	.....

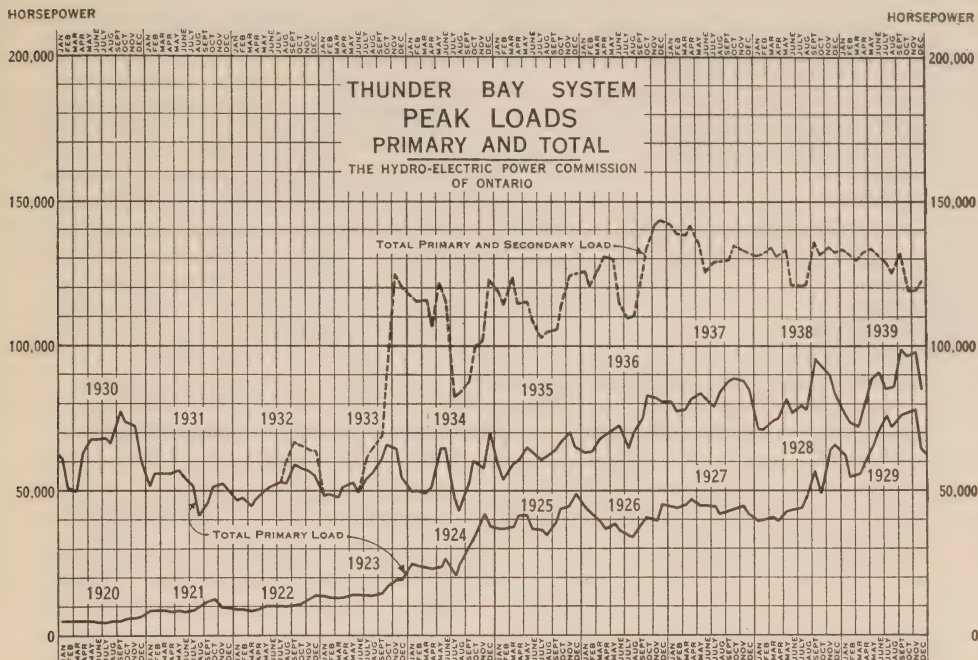
EASTERN ONTARIO SYSTEM—RURAL POWER DISTRICT LOADS—1938-1939
—Concluded

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1938	July to Dec., 1939	Decrease	Increase
Cobourg.....	456.4	547.7		91.3
Colborne.....	173.7	198.0		24.3
Cornwall.....		20.0		
Fenelon Falls.....	336.1	419.6		83.5
Iroquois.....	573.7	590.9		17.2
Kemptville.....	40.3	44.1		3.8
Kingston.....	735.5	882.0		146.5
Lakefield.....	144.5	177.6		33.1
Madoc.....	9.0	56.1		47.1
Marmora.....	15.5	12.0	3.5	
Martintown.....	147.8	174.2		26.4
Maxville.....	383.5	486.4		102.9
Millbrook.....	77.1	95.2		18.1
Napanee.....	447.2	471.7		24.5
Nepean.....	1,083.7	1,213.1		129.4
Newcastle.....	90.5	110.7		20.2
Norwood.....	64.1	64.3		0.2
Omemee.....	23.2	35.0		11.8
Oshawa.....	1,261.6	1,447.8		186.2
Pembroke.....		25.0		
Perth.....	145.0	189.8		44.8
Peterborough.....	792.3	799.9		7.6
Prescott.....	182.1	235.0		52.9
Renfrew.....	118.0	130.0		12.0
Smiths Falls.....	312.2	357.0		44.8
Stirling.....	91.6	146.4		54.8
Sulphide.....	35.0	34.0	1.0	
Trenton.....	162.6	229.8		67.2
Warkworth.....	30.7	44.2		13.5
Wellington.....	459.7	518.4		58.7
Williamsburg.....	97.0	132.4		35.4

THUNDER BAY SYSTEM

The maximum twenty-minute peak of the primary load on the Thunder Bay system was 98,934 horsepower. This is 3.2 per cent greater than in 1938, and is the highest primary peak in the history of this system. The primary energy showed an increase of 2.7 per cent over last year.

The market for secondary power (used by paper mills for the electrical generation of steam) was great enough to utilize more than the remaining available generating capacity for the major portion of the time. Arrangements have, therefore, been in force, similar to those existing in 1938, whereby the paper mills under the control of the Abitibi Power and Paper Company were permitted to obtain further secondary power from the Kaministiquia Power Company, a subsidiary of the Abitibi Power and Paper Company, through the Commission's transformers and over the Commission's transmission circuits.



There has been no restriction of primary power supply to any customer and no serious interruption to service. It has been necessary on occasions to restrict the secondary load demands of customers for short periods, in order to carry the system load with satisfactory frequency and voltage regulation. During the latter part of the summer it became apparent the inflow into lake Nipigon was below normal, and the system was, therefore, limited to an average weekly withdrawal of 8,400 cubic feet per second, which flow was fully utilized. This resulted in a slight decrease in the amount of energy available for secondary power.

The generating and transformer stations have all functioned reliably throughout the year. During the period March 25 to April 15, number 3 unit at Alexander generating station was out of service while repairs were made to the thrust bearing which had become defective.

Routine maintenance work on the generator units at Cameron Falls and Alexander generating station has been done when the load permitted individual units to be temporarily released from service.

Service on the 110,000-volt lines to Long Lac transformer station and the 44,000-volt lines supplying power to the mines in the Beardmore, Bankfield and Little Long Lac areas has been satisfactory, but there have been a number of occasions when service has been interrupted due to flashover during electrical storms, trees falling over the line and highway blasting operations. In some sections the route of the lines has been altered in order to provide satisfactory clearance for the new Trans-Canada highway.

The precipitation of the watershed supplying this system has been 25.0 inches which is about average for this district. The elevation of lake Nipigon on October 31 was 850.94 as compared with 852.04 for the same time last year.

THUNDER BAY SYSTEM—LOADS OF MUNICIPALITIES—1938-1939

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1938	July to Dec., 1939	Decrease	Increase
Beardmore.....	105.0	131.0	.....	26.0
Fort William.....	13,841.8	13,597.8	244.0	.....
Geraldton.....	522.8	551.0	.....	28.2
Nipigon Township.....	176.9	179.9	.....	3.0
Port Arthur.....	40,646.2	41,481.2	.....	835.0

THUNDER BAY SYSTEM—RURAL POWER DISTRICT LOADS—1938-1939

Rural power district	Peak load in horsepower		Change in load	
	July to Dec., 1938	July to Dec., 1939	Decrease	Increase
Thunder Bay*.....	398.5	437.9	.....	39.4
Nipigon.....	.....	5.0	.....	.....

*Amalgamation of Fort William and Port Arthur rural power districts.

MANITOULIN DISTRICT

Operating conditions were normal on the Manitoulin district during the year. The load trend was upward, due largely to extensions to the rural system.

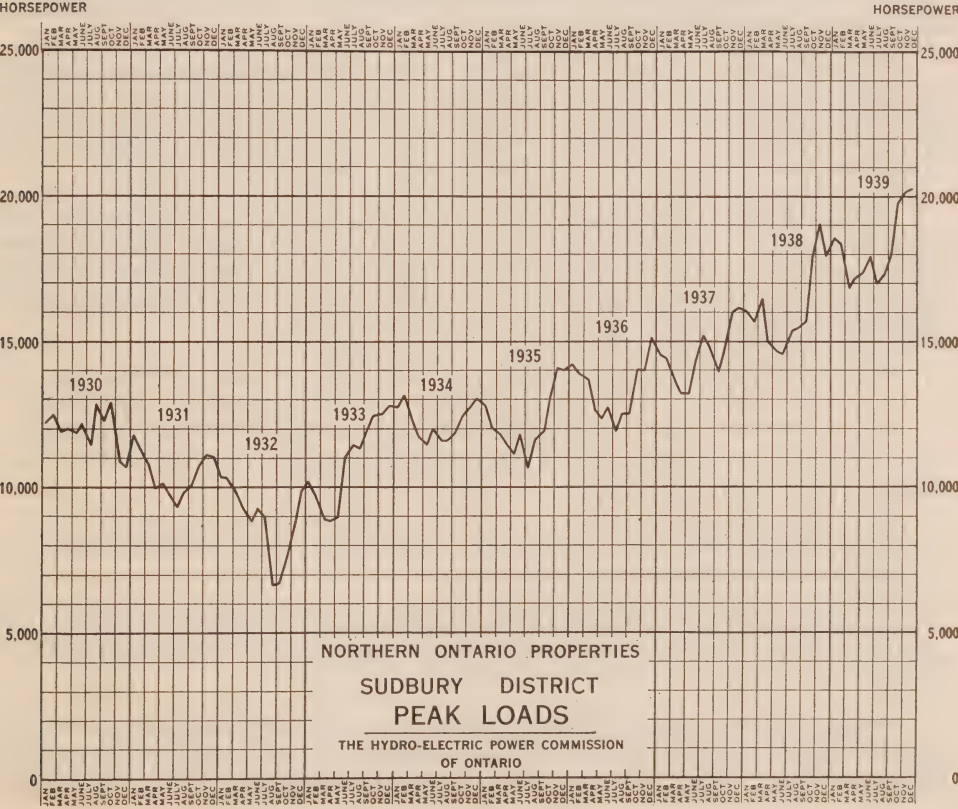
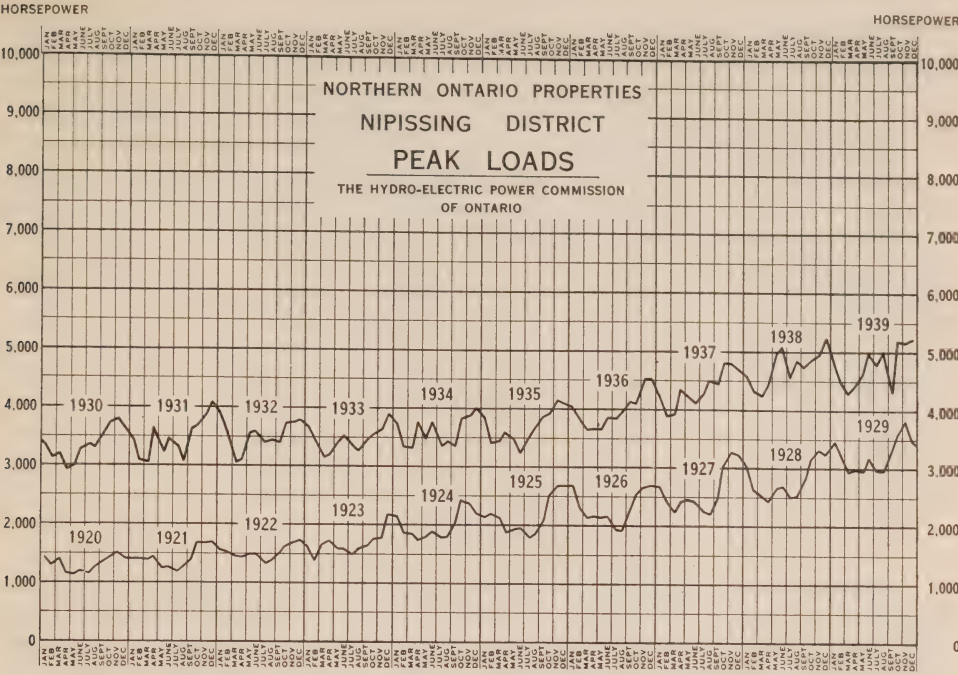
NORTHERN ONTARIO PROPERTIES**Nipissing District**

During the peak load period, November, 1938, to January, 1939, it was necessary to transfer power to the district over the tie line from Crystal Falls generating station. Owing to lack of precipitation and increasing loads, and to conserve available storage water during the latter part of the year, energy was transferred to the district from Crystal Falls generating station.

Sudbury District

Operating conditions were normal during the year.

Anticipating future load increases, which will necessitate the operating voltage of the Crystal Falls-Coniston line being increased, this line was taken out of service during parts of the day during the low-load period, August 1 to August 15, to re-insulate it for 110,000-volt operation.



NON-SYSTEM PROPERTIES—RURAL POWER DISTRICT LOADS—1938-1939

Rural power district	Peak load in horsepower		Change in load	
	July to Dec., 1938	July to Dec., 1939	Decrease	Increase
NIPISSING DISTRICT				
North Bay.....	356.3	446.1	.....	89.8
Powassan.....	12.5	18.0	.....	5.5
MANITOULIN DISTRICT				
Manitoulin.....	257.3	305.6	.....	48.3
SUDBURY DISTRICT				
Sudbury.....	120.9	324.3	.....	203.4

Abitibi District

The stream flow at Abitibi Canyon was at all times adequate to generate primary and secondary load demands. Two-way radiophone communication, which was installed at Timmins transformer station and at Frederick House Lake dam to facilitate efficient control of the Frederick House Lake storage basin, was placed in service on April 8 and operated satisfactorily throughout the remainder of the year.

The operation of Abitibi Canyon generating station was satisfactory throughout the year. Tailrace gates, with a motor-driven handling mechanism, which were installed during December, have greatly facilitated the unwatering of draft tubes for inspection and maintenance purposes.

During January, fourteen newly completed operators' houses and a new recreation hall at Abitibi Canyon were occupied. The new houses replace temporary construction dwellings which many of the permanent staff had been occupying, and the new recreation hall adds greatly to entertainment facilities in this isolated colony.

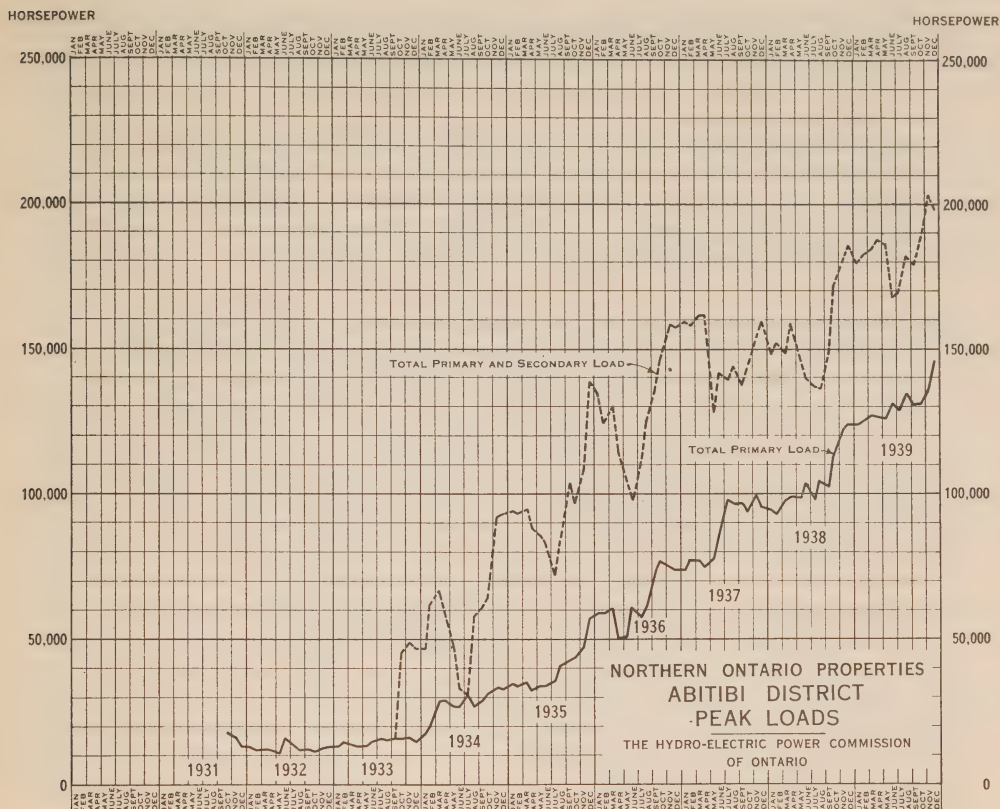
All transformer stations operated satisfactorily throughout the year.

The 1,000-kv-a Bourkes transformer station was permanently removed from service in November, the sole mining customer served from this station having abandoned operations.

Service to Ronda Gold Mines was discontinued on October 17 and that to Kirkland Gold Rand on June 21.

A new 1,000-kv-a transformer station at Shiningtree, in which the equipment from Bourkes had been utilized, was placed in service on December 20.

There were seventeen single-circuit and fourteen double-circuit automatic outages on the high-tension line between Abitibi Canyon and Copper Cliff. Of these, twenty-five were attributed to lightning, three to inter-



ference between telephone and power conductors during a windstorm, one to failure of a power conductor jumper, one to a rope being blown across the conductors and one to an undetermined cause. A three-hour pre-arranged double-circuit outage was necessary in July to permit repairs to a ground wire which was badly damaged by lightning.

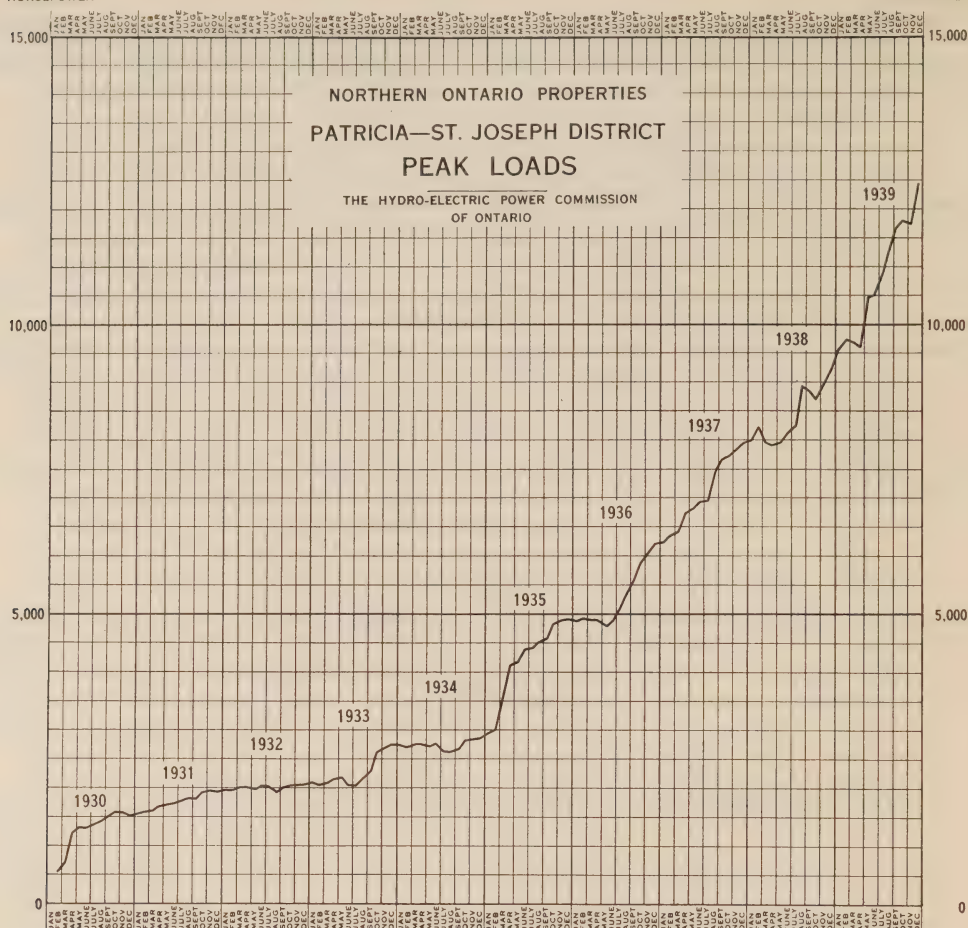
There were sixteen automatic outages on the high-tension line between Abitibi Canyon and Kirkland Lake, Larder Lake and Matachewan. Of these, five were attributed to lightning, eight to windstorms, one to a fallen tree, and two to causes external to the line.

Patricia-St. Joseph District

The fiscal year was marked by the placing in service of three new 44,000-volt transmission lines; one transformer station; two distributing stations, and the provision of power to five new customers. Since September 4, when the 113-mile 44,000-volt transmission line between Uchi lake and Pickle lake was placed in service, together with the Crow River transformer station, the Patricia and St. Joseph districts have been operated in parallel, and in future will be known as Patricia-St. Joseph district. The load of these combined districts shows a considerable increase, the maximum yearly twenty-minute peak being 32 per cent higher, and the energy generated being 29 per cent greater than in the previous year.

HORSEPOWER

HORSEPOWER



On November 28, 1938, operations at the Red Lake Gold Shore Mines were recommenced under the control and name of Hasaga Gold Mines. The construction of a 44,000-volt wood-pole line, 49 miles long, between Ear Falls generating station and Uchi Gold Mines was completed, and this customer received power on January 15. The mill at Uchi Gold Mines commenced operation in May. Power was supplied to Cochenour-Willians Gold Mines on January 19, over a short 44,000-volt tap line, and on July 26 McMarmac Mines received power at 2,300-volts through the Cochenour-Willians Gold Mines station. On August 30, a 44,000-volt transmission line, 85 miles in length, between Ear Falls generating station and a new distributing station at Sioux Lookout, was placed in service, supplying power to this municipality. A distributing station was also connected to this line at Hudson, and power was supplied to this municipality on October 27. The Albany River Gold Mines recommenced operations on October 15, under the control of the Pickle Crow Gold Mines.

A five-mile section of 22,000-volt transmission line between Crow River transformer station and Pickle Crow Gold Mines was placed in service in September, with selective switches at three junctions so that the customers could be supplied from this new line or the original line.

The flow in the English river has been regulated and controlled by means of the Lac Seul conservation dam at Ear Falls as required by the Lake-of-the-Woods Control Board.

All electrical and hydraulic equipment at Rat Rapids generating station on the Albany river has functioned satisfactorily, routine inspections and maintenance only being required. During September and October the Rat Rapids generating station was operated at full capacity and at a high load factor in order to utilize the high inflow to lake St. Joseph without wastage of water.

The 44,000 and 22,000-volt transmission lines have operated satisfactorily and have been maintained in good condition. Eight new patrol points, four of them in very remote country, have been established to take care of the new line sections. There were twelve occasions on which outages occurred on the transmission lines during electrical storms. On two of these occasions poles and crossarms were shattered and had to be replaced. A forest fire along the right-of-way of the Ear Falls-Uchi line caused damage to a few poles and crossarms; the poles were stubbed and the crossarms replaced.

The precipitation in the vicinity of Ear Falls generating station has been above average, 26.95 inches being recorded. The elevation of Lac Seul on October 31 was 1,170.05 as compared with 1,170.65 at the same date last year. The precipitation in the vicinity of Rat Rapids generating station was relatively high, a total of 30.41 inches being recorded. The elevation of lake St. Joseph on October 31 was 1,226.49 as compared with 1,225.54 for the same date last year.

NORTHERN ONTARIO PROPERTIES—LOADS OF MUNICIPALITIES—1938-1939 NIPISSING DISTRICT

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1938	July to Dec., 1939	Decrease	Increase
Callander.....	150.4	161.1		10.7
Nipissing.....	3.0	3.0		
North Bay.....	4,020.7	4,228.3		207.6
Powassan.....	153.2	182.4		29.2

SUDBURY DISTRICT

Capreol.....	195.7	211.9		16.2
Sudbury.....	8,230.3	9,150.3		920.0

ABITIBI DISTRICT

Hislop Townsite.....	25.7	39.1		13.4
Kearns Townsite.....		111.0		
King Kirkland Townsite.....	35.5	46.1		10.6
Matachewan Townsite.....	137.4	179.6		42.2
Mooretown Townsite.....	53.3	41.0	12.3	
Ramore-Matheson Townsite.....	123.7	120.0	3.7	

PATRICIA-ST. JOSEPH DISTRICT

Hudson Townsite.....		78.7		
Sioux Lookout.....		289.8		

SECTION III

MUNICIPAL WORK

THE Commission acts in an advisory capacity to the municipalities with which it has contracts, and assists the municipal officials to purchase, construct or extend distribution systems. As provided under *The Power Commission Act*, all rate adjustments are approved by the Commission, therefore, a study of the operating conditions of all utilities is made annually and adjustments recommended.

In rural power districts, the Commission on behalf of the township corporations operates the rural power systems, and distributes electrical energy to the customers of the respective corporations in all such rural power districts.

NIAGARA SYSTEM

Under the terms of contracts entered into during the fiscal year 1938 the Commission took delivery of the following additional amounts of power from:

	<i>horsepower</i>
Gatineau Power Company and Gatineau Transmission Company.....	35,000
Beauharnois Light, Heat and Power Company and Coteau Rapids Transmission Company Limited.....	25,000
Maclaren-Quebec Power Company and The James Maclaren Company Limited.....	20,000
Total additional power taken.....	80,000

General industrial load conditions were affected by the unrest and uncertain world conditions and the expected normal load increases of the municipal Hydro utilities did not materialize until near the close of the fiscal year. As a result, the average load growth for this system was lower than the expected load.

Engineering Assistance to Municipalities

General engineering assistance was given to nearly all municipalities of the Niagara system respecting the operation and management of their local Hydro utilities.

Certain municipalities received special engineering advice and assistance respecting matters which are more fully referred to below:

Ailsa Craig—Plans were prepared for changing the local distribution system from 4,000 volts to 8,000 volts.

Beamsville—The distribution system is being changed from 66⅔ cycles to 25 cycles. It is expected the actual work of change-over will be completed in 1940.

Blenheim—A new Hydro building costing \$10,000 was completed and officially opened April, 1939.

Brantford—All domestic and commercial consumers supplied from the 66⅔-cycle system having had their services changed to 25 cycles, arrangements are being made to complete the change-over to 25-cycle operation of the industrial power customers. This work will be completed early in 1940.

Chatham—A new substation on Queen street costing \$39,500 was completed and put in service, thereby adding 1,500 kv-a capacity to the local system.

Dresden—To provide consumers with better facilities for paying their accounts, and also to provide space for displaying merchandise, a new office was arranged for.

Dunnville—Additions and improvements to the substation and the distributing system were undertaken. The major work included conversion from 2,200 volts to 4,000 volts and new switchboard facilities.

Dutton—A rearrangement of the main distribution feeder was completed.

Embro—A major increase in distribution feeder capacity was made to take care of a rapid increase in load.

Fergus—To improve regulation, a change of distribution voltage from 2,200 to 4,000 volts was made.

Forest—At a cost of about \$5,000, greater capacity in secondary distribution lines and transformers is being provided.

Forest Hill—The 4,000-volt supply from the Toronto system was changed to feed into the new substation of the local system.

Harrow—On February 1, the Hydro office for the town and rural power districts of Harrow and Amherstburg, was moved into the new community hall.

La Salle—Arrangements were made for a new storehouse and office building.

London—The Public Utilities Commission installed additional underground-feeder cable connecting its main substations. Additional substation transformer capacity was also installed.

Lucan—To improve the lighting and appearance of the business section of the main street, 26 ornamental street-lighting standards with 300-watt lamps were erected. Poles and wires were removed and placed in the rear of the buildings.

Milton—During the year, the local commission arranged for an office building on Main street, including storeroom and garage.

Mitchell—The primary distribution voltage was changed from 1,100 to 4,000 volts.

Mount Brydges—Improved street lighting was installed on the main street.

North York Township—A new distributing station with new 4,000-volt feeders was established in the southern part of the township.

Oil Springs—Arrangements were made for a new office building and storehouse costing approximately \$5,500. This building will accommodate the staff of the local system and also the staff of the Oil Springs rural power district.

Parkhill—Extensive changes were made to the distribution system, and arrangements have been made to change the voltage from 4,000 to 8,000 volts.

Ridgetown—The ornamental street-lighting system in the business section of the town was improved by changes in the ornamental standards to give greater mounting height and better light distribution.

St. Jacobs—A large part of the secondary distribution system is being rebuilt.

St. Marys—An office building, together with combined storeroom and garage facilities, were constructed on Wellington street as a much needed improvement in the utility accommodation of the local system.

St. Thomas—A current-carrier control system is being installed at a cost of \$22,000. This will control 1,700 water heaters, representing a load of 800 horsepower and will have capacity to handle double this load.

Sarnia—Alterations to the No. 1 substation building were completed at a cost of \$6,100 to provide better facilities for garage, storehouse, etc.

Streetsville—The local commission arranged for a suitable office building.

Thamesville—Improved street lighting was provided in the business section of the town by the replacement of the regular pole-type street lamps with ornamental fixtures.

Thorold—Recommendations were made to the municipality with regard to improving the street-lighting system, with special reference to the business section.

Tillsonburg—Arrangements were made to improve substation equipment and distribution system.

Wallaceburg—A new brick, one-storey storehouse and garage was completed at a cost of \$6,600. Several additional street lamps were placed in various parts of the town.

GEORGIAN BAY SYSTEM

Load increases were recorded on this system during the year in both urban municipalities and rural power districts. The increase in the total system average load sold over 1938 was 8.6 per cent and the increase in the maximum peak established during the year was 13.2 per cent.

Sixty-three municipalities were served, fifty-nine being partners securing power on a cost basis and four system customers. With few exceptions load increases occurred in these municipalities.

The total average load taken by urban municipalities increased by 6.3 per cent over the previous year. The total average load sold in rural power districts increased by approximately 20 per cent over 1938 and load increases were recorded in practically all of these rural power districts.

General engineering advice and assistance was given to all urban municipalities on the Georgian Bay system in connection with the operation of local distribution systems.

EASTERN ONTARIO SYSTEM

The power sold on the Eastern Ontario system continued its normal increase during the year 1939 and with few exceptions the load in all rural power districts and urban municipalities increased. The total amount of power delivered to urban municipalities and rural power districts amounted to 108,242 horsepower in 1939, an increase of 7.2 per cent over the 1938 load of 101,000 horsepower.

The Eastern Ontario system is now taking all the power available from the Commission's generating stations on the Eastern Ontario system, and is also taking all the 60-cycle power provided under the Commission's contract with the Gatineau Power Company. For immediate future requirements, this system can obtain a supply of power from the Niagara system through the frequency changer at Chats Falls.

General engineering assistance was given to nearly all municipalities on the Eastern Ontario system in connection with the operation and management of their local Hydro utilities. Certain municipalities received special engineering advice and assistance with regard to matters detailed below:

Arnprior—The ratepayers on November 24, 1938, voted in favour of purchasing the local distribution system and entering into a cost contract for a supply of power, to commence on January 1, 1939.

Belleville—Detailed plans have been prepared for installing high frequency control of flat-rate water heaters throughout the city.

Marmora—The distribution system was changed from 2,300 volts to 4,000 volts.

Millbrook—On December 1, 1938, the municipality, following a municipal vote, purchased its distribution system from the Commission and is now operating under a cost contract.

Orono—This police village purchased its distribution system from the Commission on November 1, 1938, following a favourable vote, and is now operating under a cost contract.

Picton—Poles and wires were removed from the business section of the main street and modern street lighting installed.

Prescott—Plans and specifications were prepared for the installation of a new street-lighting system operated by relays. The voltage of the distribution system is being changed from 2,300 to 4,000 volts.

Stirling—Increased transformer capacity was installed in the municipal station.

Whitby—All poles and overhead wires were removed from the business section of the town and a new underground street-lighting system was installed.

THUNDER BAY SYSTEM

The Thunder Bay system comprises the cities of Port Arthur and Fort William, the rural districts lying east and west of these cities and the township of Nipigon. It also serves the mining area from lake Nipigon eastward to Little Long Lac. Approximately one-half of all the power supplied on this system is utilized by pulp and paper mills; about one-eighth is utilized for operating terminal grain elevators; about one-eighth for the mining industry; and about one-quarter by urban and rural consumers. In consequence of these conditions wide variations in system demands occur from year to year, depending upon crop conditions, and the stability of the pulp and paper market.

There was a net increase of about two per cent in the total average load sold on the Thunder Bay system during 1939. The municipal load sold increased by 7.3 per cent, and the rural load by 34 per cent. The power supplied to the mining industry was 26 per cent greater, and the load taken by the pulp and paper industry remained at about the same level.

Engineering assistance and advice relating to the operation of the local distribution systems was given to the cities of Fort William and Port Arthur, also to Nipigon township.

NON-SYSTEM PROPERTIES

Rural Power Districts in Northern Ontario

During 1939 the Provincial Government, by special legislation, extended to the rural power districts of northern Ontario the 50 per cent grant-in-aid which applies to the capital cost of primary and secondary distribution lines and equipment in the rural power districts of the co-operative systems in southern Ontario. This enabled arrangements to be made for supplying Hydro service to many rural districts throughout northern Ontario. Public meetings were held, information was submitted, and contracts were entered into in several areas. Four large rural power districts, each comprising

several organized as well as unorganized townships, were formed and it is expected that during 1940 several distribution systems will be constructed and placed in operation.

To provide for the rapidly expanding load in the Sudbury rural power district a new rural office, with a complete staff and equipment for handling rural service exclusively, was established at Sudbury. Information was supplied to several new rural areas adjacent to the city and a considerable expansion in rural service is anticipated.

NORTHERN ONTARIO PROPERTIES

The Northern Ontario Properties held and operated by the Commission on behalf of the Province serve chiefly mines and mining communities in various areas of the Province north of lakes Huron and Superior between the Manitoba and Quebec interprovincial boundaries, excluding the area served by the Thunder Bay system. At the close of the year power was supplied to 38 mining properties, 2 cities, 4 towns, 9 villages, hamlets and mining townsites, and 3 rural power districts.

As in previous years, there was great expansion in load growth in Northern Ontario Properties during 1939. The total average load sold was approximately 31,000 horsepower greater than for the previous year, representing an increase of 24 per cent.

Nipissing District

The city of North Bay, the town of Powassan and the village of Callander comprise the Nipissing district. Power is supplied from three hydro-electric generating plants on the South river with a transmission tie line connection to the Crystal Falls development on the Sturgeon river. There was an increase of approximately 4 per cent in the total load sold. During the year negotiations were conducted with the council of the city of North Bay regarding the sale of the local distribution system to the corporation.

Sudbury District

This district serves the city of Sudbury and adjacent areas. Power is supplied to the city of Sudbury and the town of Capreol at a fixed rate, also to the Sudbury rural power district and for mining and milling operations to the Falconbridge and International Nickel mines. The utilization of power is divided approximately one-half for municipal and rural, and one-half for mining purposes. The Sudbury city peak load recorded an increase of 12 per cent, and the Falconbridge Nickel mine increased its 60-cycle peak load by 34 per cent. The total average load sold in the district was approximately 13.4 per cent greater than in 1938.

Engineering advice and assistance was given to the local commissions of the city of Sudbury and the town of Capreol with respect to the operation of their local distribution systems.

Abitibi District

The Abitibi district comprises the area served by the Abitibi Canyon development and connecting transmission lines. Power is supplied to the mining districts of Sudbury, Matatchewan, Porcupine, Ramore, Kirkland

Lake and Larder Lake. The rapid expansion in load growth continued throughout 1939 with 28 mines served at the close of the year. The total annual average load sold in the district increased by 26 per cent over 1938.

The various mining properties under contract with the Commission, as well as many prospective properties, also mining properties in the development stage were visited periodically during the year for the purpose of rendering assistance and giving information with respect to power supply problems.

To provide for power supply to the Denison Nickel mine, which is situated in the Abitibi district, power is purchased from the Abitibi Power & Paper Company's hydro-electric development at Espanola and transmitted to the mine. No changes occurred in this service during the year.

Service is given in the Abitibi district to four mining townsites at Kearns, King Kirkland, Matachewan and Hislop, also to the town of Matheson and the village of Ramore. The Kearns mining townsite was added during the year and service given to 104 new customers. In all these areas increases were recorded, both in the average load sold and in new consumers served.

Patricia-St. Joseph District

During the year the Patricia district, served from Ear Falls generating station, and the St. Joseph district, served from Rat Rapids generating station, were connected by tie transmission lines. The generating and transmission facilities are now operated in parallel as a co-ordinated system, and the two districts will in future be known as the Patricia-St. Joseph district.

The former Patricia district served the Red Lake and Woman Lake mining areas and the St. Joseph district served the Pickle Lake mining area. In the Patricia district power was supplied to seven mining properties, also to the mining townsite of Red Lake, the hamlet of Hudson and the town of Sioux Lookout. The average load sold increased during the year by approximately 40 per cent.

Service was given for the first time to the town of Sioux Lookout and the hamlet of Hudson; a distribution system being constructed in the latter place and placed in operation during the month of October. The Hudson distribution system, together with that at the Red Lake mining townsite, is operated by the Commission; the distribution system at Sioux Lookout is operated by a local commission.

In the St. Joseph district two mining properties are served, the Central Patricia and Pickle Crow companies. The total average load sold in this district increased six per cent.

All mining properties under contract with the Commission, together with mines in the prospective and development stages, were visited on various occasions for the purpose of rendering advice and engineering assistance in connection with power supply problems. Investigations and studies were made concerning service to the Central Patricia townsite, now partially served by the Central Patricia mine, with a view to supplying more complete service in this area.

RURAL ELECTRICAL SERVICE

IN ONTARIO

AGRICULTURE, including stock-raising and horticulture, is the chief single industry of the Canadian people, employing over one-third of the gainfully-occupied males. In addition, it provides the raw material for many Canadian manufactures, and its products in raw and manufactured form constitute a very large percentage of Canadian exports. The Province of Ontario, while highly industrialized within its urban centres, also occupies a very prominent position in the agricultural development of Canada. As an example—the current value of farm capital in Ontario (including lands and buildings, implements and machinery, live stock) is approximately 29 per cent of the corresponding figure for the whole of Canada.

The land area of the Province of Ontario extends over a vast area of 363,282 square miles, of which 35,689 square miles are occupied for agriculture. The total rural population in the area served by The Hydro-Electric Power Commission of Ontario, or in adjacent areas within transmission distance of the Commission's power supply is approximately 1,100,000.

During the past year the mileage of rural line extensions approved for construction in rural power districts in Ontario was 2,364. In all, 13,235 consumers were added. The aggregate load supplied to all rural Hydro consumers in the Province amounted to 61,634 horsepower, an increase of 15.5 per cent over 1938.

Census data indicate that there are approximately 200,000 farms in Ontario, varying from one acre to six hundred acres or larger. It would be erroneous, however, to conclude that hydro-electric service will eventually extend to such a number of farms. Approximately ten per cent of these are very small, and service to them, if available, is supplied by the Commission under rates applicable to non-farm classes. There are also large numbers of farms jointly owned and tenanted, some having no residential buildings on them, and there are also a large number situated in remote districts out of reach of Hydro lines and stations.

During the period that the regulations respecting service to rural consumers required a minimum of three farm contracts per mile of primary line the Commission made surveys in various parts of the Province and estimated that approximately 75,000 standard or large farms would comprise the

probable ultimate total of farms that could be served on this basis. Since that time new regulations have been made permitting service on the basis of two farms per mile, which necessarily has increased the number of additional farms that may be served.

For the next year it is anticipated that the miles of primary line constructed will approximate the number constructed during the past few years. As the lines extend into the more remote districts, however, the average number of farms that can be served per mile of line and the number of farms remaining to be served will become smaller, and therefore the mileage of rural lines constructed each year will decrease.

There are 184 operating rural power districts, and power is delivered to approximately 113,000 rural consumers, comprising farms and dwellings in various groups. The consumers are situated in 419 townships and 111 police villages, and are served over a network of rural primary lines which aggregate 18,166 miles. In addition to the 419 townships served by rural power districts, 10 townships are served jointly by rural power districts and voted areas.

Recent estimates of the major electrical appliances used in rural power districts are set out in the following table:

ELECTRICAL APPLIANCES IN USE IN RURAL POWER DISTRICTS

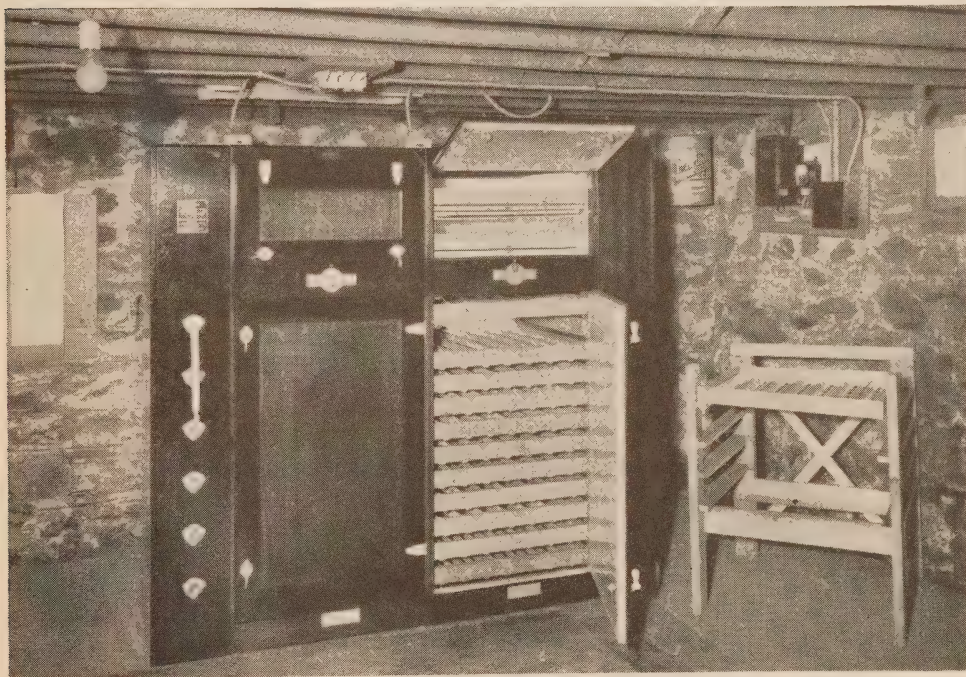
Data for all systems for the year 1938

On the farm			In the farm home		
Item	Number of appliances	Percentage of saturation	Item	Number of appliances	Percentage of saturation
Motor.....	7,650	16.7	Range.....	7,899	17.2
Pump.....	6,125	13.3	Hot plate.....	9,977	21.7
Grain grinder.....	2,488	5.4	Washer.....	26,241	57.2
Milking machine.....	1,317	2.9	Vacuum cleaner.....	6,175	13.5
Milk cooler.....	800	1.7	Water heater, flat rate..	1,821	4.0
Cream separator.....	3,070	6.7	Water heater, metered..	913	2.0
Churn.....	496	1.1	Grate.....	344	.7
Incubator.....	537	1.2	Portable air heater....	4,153	9.1
Brooder.....	469	1.0	Ironer.....	506	1.1
Hot bed.....	35	.1	Hand iron.....	35,141	76.6
Water heater, flat rate..	84	.2	Refrigerator.....	5,428	11.8
Water heater, metered..	47	.1	Toaster.....	23,543	51.4
Miscellaneous.....	467	1.0	Radio.....	32,224	70.3
			Furnace blower.....	742	1.6
			Pump.....	6,977	15.2
			Miscellaneous.....	1,518	3.3

The following table is also of interest when a comparison is made between rural and urban use:

**ELECTRICAL APPLIANCES IN USE IN HOMES OF URBAN AND RURAL
CONSUMERS—1938**

Electrical appliance	R.P.D. hamlet		R.P.D. farm		Urban	
	No. of appliances	Percent- age of satura- tion	No. of appli- ances	Percent- age of satura- tion	No. of appli- ances	Percent- age of satura- tion
Range.....	5,944	12.5	7,899	17.2	149,390	29.6
Hot plate.....	11,095	23.4	9,977	21.7	91,556	18.1
Washer.....	21,337	44.9	26,241	57.2	258,792	51.2
Vacuum cleaner.....	6,393	13.4	6,175	13.5	169,880	33.6
Water heater, flat rate.....	1,561	3.3	1,821	4.0	53,355	10.6
Water heater, metered.....	956	2.0	913	2.0	48,761	9.7
Grate.....	400	0.8	344	0.7	36,985	7.3
Air heater.....	3,594	7.6	4,153	9.1	156,841	31.1
Ironer.....	593	1.2	506	1.1	13,329	2.6
Iron.....	34,230	72.1	35,141	76.6	504,257	99.8
Refrigerator.....	5,723	12.1	5,428	11.8	94,376	18.7
Toaster.....	23,639	49.7	23,543	51.4	313,873	62.1
Radio.....	32,677	68.8	32,224	70.3	402,837	79.7
Furnace blower.....	822	1.7	742	1.6	26,482	5.2
Grill.....					49,582	9.8
Pump.....	5,423	11.4	6,977	15.2		
Air conditioner.....					3,322	0.7
Miscellaneous.....	1,927	4.1	1,518	3.3		



RURAL ELECTRICAL SERVICE IN ONTARIO
An electrical incubator on an Ontario farm. Egg capacity 5,800

Standard Number of Consumers per Mile

Effective May 1, 1938, the Commission received authority by Order-in-Council to construct rural primary lines on a basis of two farms per mile under existing rates. This new basis does not include service to summer cottages, which remains on the previous basis of three farms per mile. The standard number of consumers required per mile varies according to the class of service rendered. For this purpose a unit rating is allocated to each class of consumer. A total of ten units per mile made up by various classes of consumers is required before construction work is undertaken.

The following table indicates the number of units for each class of service:

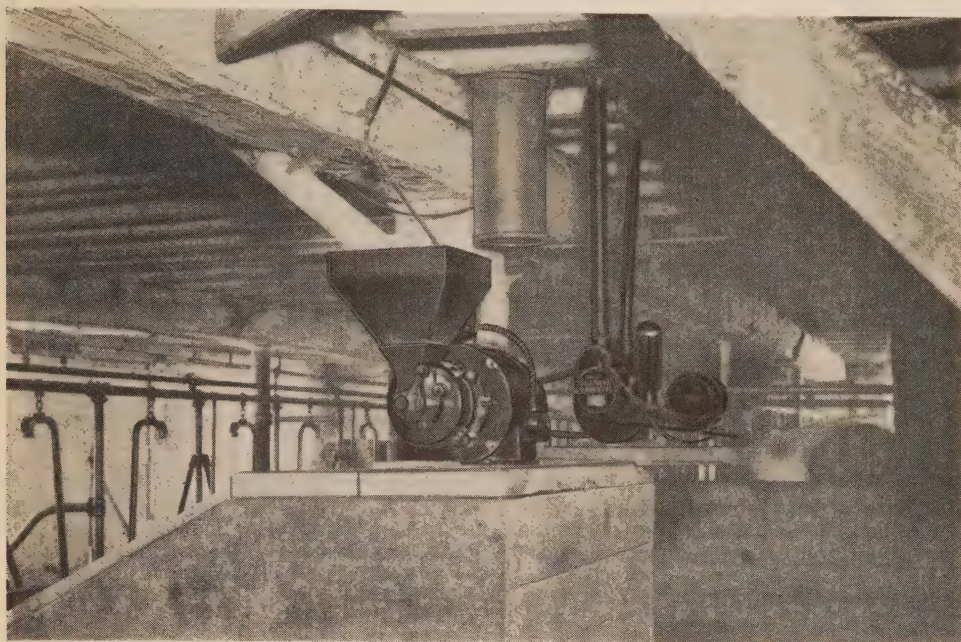
Class of consumer	Service	Units per class applicable to number per mile—May 1, 1938			
		A—Regular rural consumers		B—Summer cottage consumers	
		Units per contract	Contracts per mile	Units per contract	Contracts per mile
1B	Hamlet lighting.....	2.25	4.4	1.50	6.7
1C	Hamlet lighting (range).....	3.75	2.7	2.50	4.0
2A	House lighting.....	1.90	5.3	1.25	8.0
2B	Small farm service (50 acres or less)...	3.50	2.9	2.35	4.3
3	Light farm service (over 50 acres)...	5.00	2.0	3.35	3.0
4	Medium farm service (single-phase)...	5.00	2.0	3.35	3.0
5	Medium farm service (three-phase)...	5.00	2.0	3.35	3.0
6A	Heavy farm service (single-phase)...	5.00	2.0	3.35	3.0
6B	Heavy farm service (three-phase)...	5.00	2.0	3.35	3.0
7A	Special farm service (single-phase)...	5.00	2.0	3.35	3.0
7B	Special farm service (three-phase)...	5.00	2.0	3.35	3.0

Maximum Consumption Charge

The Commission has found that the maximum economic limit of the first domestic use throughout the rural power districts of the Province is 6 cents per kilowatt-hour. In all rural power districts, the first consumption rate is fixed at a maximum of 6 cents per kilowatt-hour. The second rate has a maximum of 2 cents per kilowatt-hour which applies to all districts.

Low Third Consumption Rate for Long-Hour Users

In 1934 the Commission made available for rural consumers a special energy rate for long-hour users of power. This low rate particularly affects under-earth heating (hot-beds) and heating of water. Where the extra use of energy may be obtained from the present equipment, a third follow-up rate per kilowatt-hour of 0.75 cents gross is given in all districts. The first rate remains unchanged, except that as pointed out above it is subject to a maximum of 6 cents per kilowatt-hour, and the kilowatt-hours to be charged at the first rate remain unchanged. The number of kilowatt-hours to be charged at the second rate varies both with the class of service and the first kilowatt-hour rate. At the head of the table of rural rates at



RURAL ELECTRICAL SERVICE IN ONTARIO
Modern chopper and milker installed in barn on Ontario farm

the end of this section is a schedule which shows the class of service, the number of kilowatt-hours per month to be charged for at the first rate, and the number of kilowatt-hours at the second rate according to the governing first rate.

Average Cost to Rural Consumers Decreasing

The remarkable benefits obtained by rural communities in regard to the amount charged to them during the period 1928 to 1938 is indicated in the following tables:

HAMLET AND HOUSE LIGHTING SERVICE Classes 1B, 1C and 2A

Year	Annual revenue	Kilowatt-hours consumed	Number of consumers billed*	Average revenue per kw-hr.	Average monthly bill	Average monthly consumption, kw-hr.
1928	\$ 530,407.00	10,702,031	17,585	4.95c	\$2.51	50.7
1929	663,311.00	14,424,770	21,219	4.60	2.85	62.0
1930	757,558.00	17,815,987	25,013	4.25	2.73	64.2
1931	974,224.17	22,127,474	31,176	4.40	2.88	65.6
1932	1,075,081.03	24,654,386	33,638	4.36	2.76	63.3
1933	1,133,368.70	25,410,470	35,941	4.46	2.70	60.1
1934	1,149,876.67	27,768,460	37,466	4.14	2.61	63.0
1935	1,171,873.28	30,802,290	39,751	3.80	2.53	66.5
1936	1,239,010.83	35,666,241	43,014	3.47	2.49	71.8
1937	1,331,919.46	40,935,040	46,785	3.25	2.47	76.0
1938	1,439,681.39	47,612,820	52,514	3.02	2.42	79.9

*See next page.

FARM SERVICE

Classes 2B, 3, 4, 5, 6A, 6B, 7A and 7B

Year	Annual revenue	Kilowatt-hours consumed	Number of consumers billed*	Average revenue per kw-hr.	Average monthly bill	Average monthly consumption, kw-hr.
1928	\$ 569,007.00	10,969,828	9,309	5.18c	\$4.97	96.1
1929	777,736.00	16,022,842	12,605	4.85	5.85	120.8
1930	863,805.00	20,507,063	16,011	4.21	5.03	119.4
1931	1,128,554.28	25,716,141	20,796	4.39	5.11	116.4
1932	1,255,482.13	28,675,400	22,432	4.38	4.84	110.5
1933	1,309,122.96	30,062,194	23,283	4.35	4.75	109.2
1934	1,319,922.69	33,312,314	23,882	3.96	4.66	117.7
1935	1,343,222.39	37,667,453	25,357	3.57	4.55	127.5
1936	1,385,784.39	45,447,669	28,198	3.05	4.31	141.4
1937	1,366,484.50	54,858,240	35,508	2.49	3.57	143.5
1938	1,711,788.81	67,886,882	44,564	2.52	3.56	141.3

*It may be observed that the number of consumers reported here does not agree with those shown in other sections of the Annual Report of the Commission. This is due to the fact that the figures given here represent consumers actually billed, whereas elsewhere in the Report the tables show the number of contracts executed to the end of the fiscal year. In many cases service is not given until the following year.

Rural Loans

Under *The Rural Power District Loans Act, 1930*, authority was given to The Hydro-Electric Power Commission of Ontario to finance the installation of wiring and the purchase of specified electrical equipment by rural farm consumers.

To October 31, 1939, 2,093 applications have been received and of these 1,525 loans have been completed. As all applications for loans are governed by regulations made subject to the provisions of the Act it will be seen from the above that quite a number fail to meet the requirements of these regulations.

To October 31, 1939, 595 loans had been repaid in full either through the maturing of the loan or because of the improved financial position of the borrower.

During the fiscal year ending October 31, 1939, there were received 356 applications which with the 41 carried over from the previous year were disposed of as follows:—

Loans completed.....	296
Withdrawn.....	10
Did not meet requirements.....	31
Cheques issued but refused by applicants and cancelled	2
Not approved.....	10
Approved waiting final papers.....	26
In process.....	22
Total.....	397

SUMMARY OF LOANS MADE TO OCTOBER 31, 1939

Fiscal year ended Oct. 31	Applications received	Loans consummated	Amount of loans
1931.....	126	74	\$ 23,542
1932.....	226	187	40,160
1933.....	144	111	20,975
1934.....	107	81	14,855
1935.....	235	169	32,450
1936.....	307	212	40,550
1937.....	230	155	29,615
1938.....	321	240	47,265
1939.....	356	296	61,445
Total.....	2,052	1,525	310,857

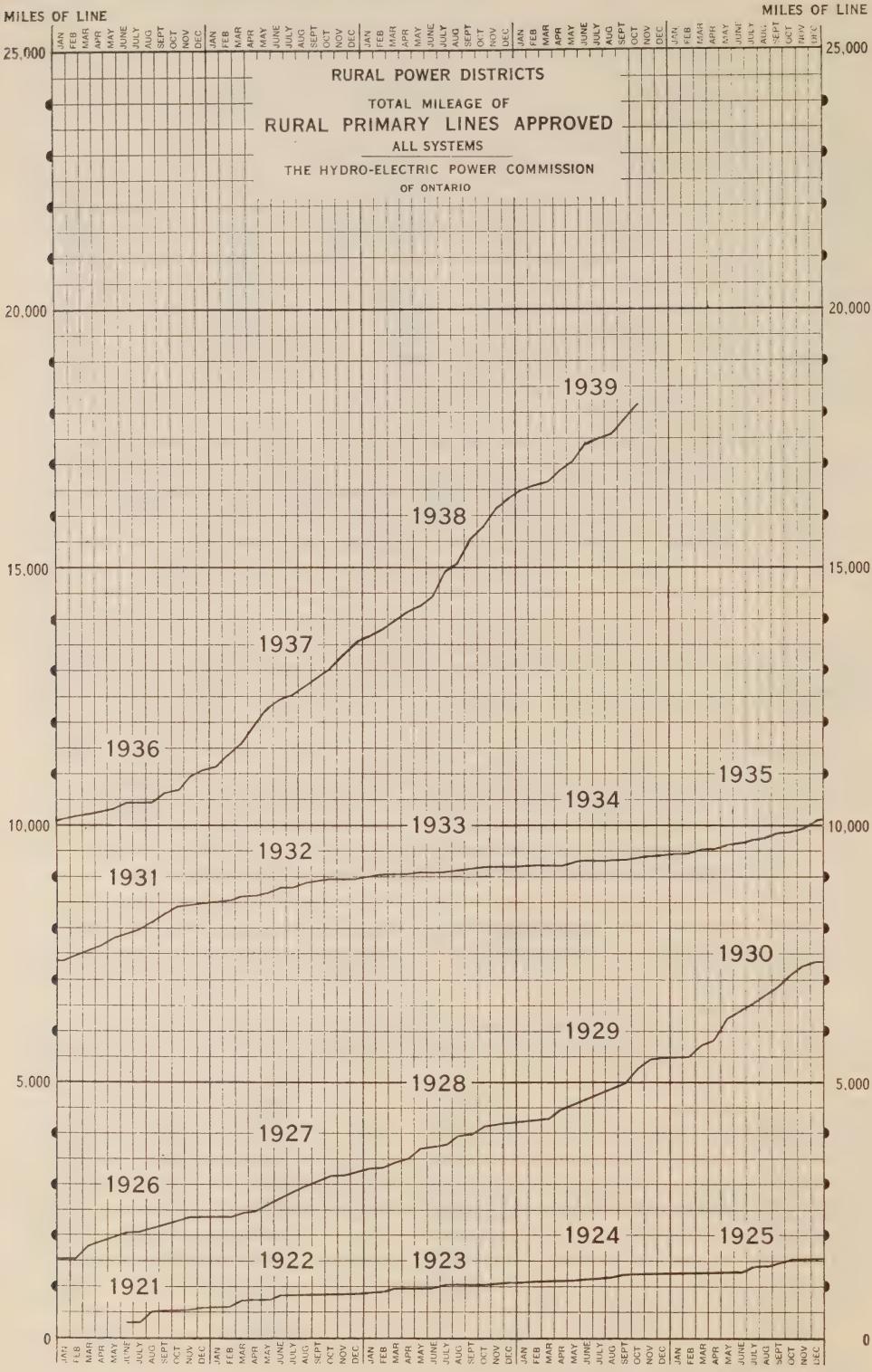
LOANS GRANTED TO CONSUMERS IN RURAL POWER DISTRICTS

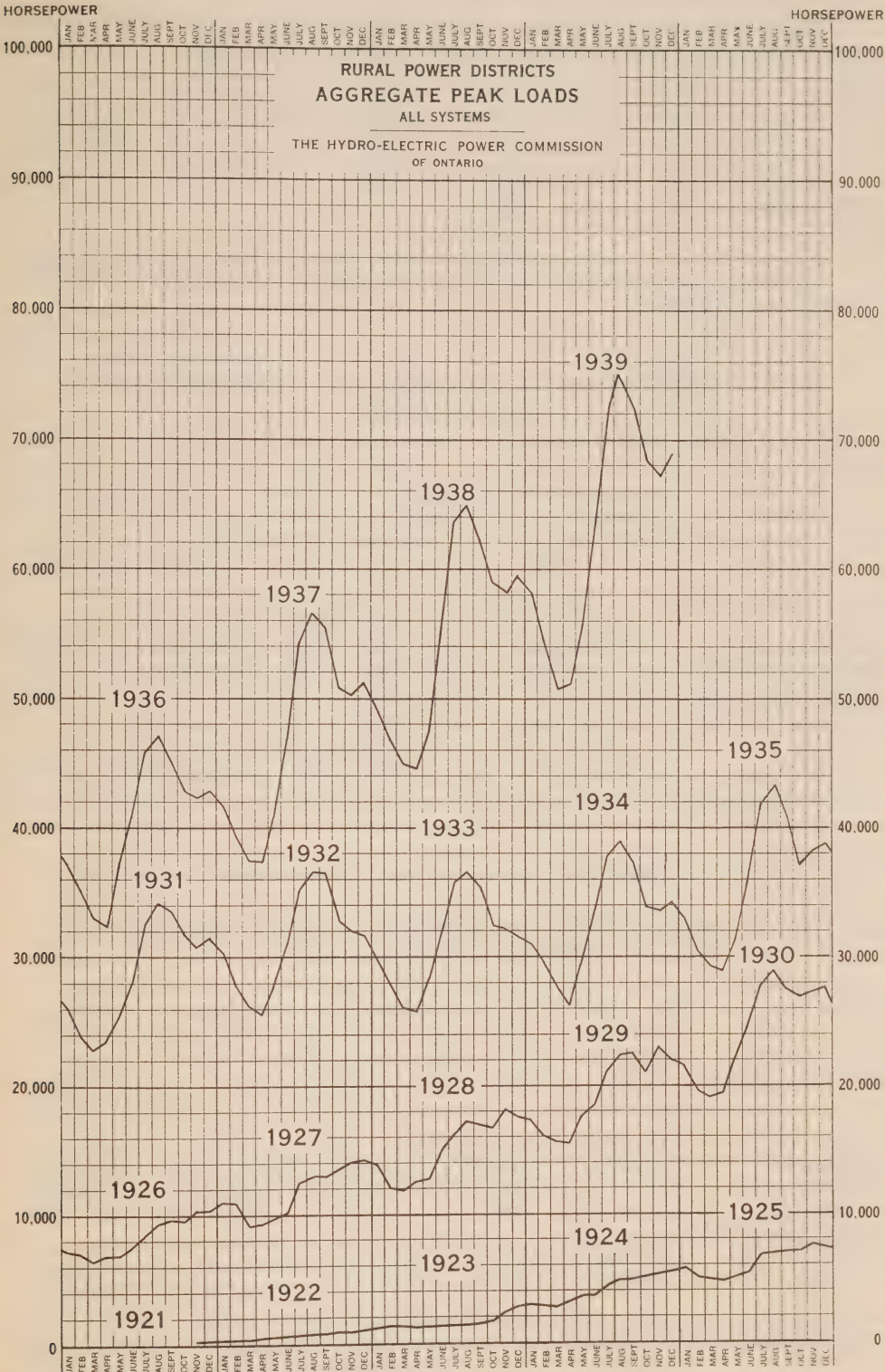
System	Total to Oct. 31, 1938		Nov. 1, 1938, to Oct. 31, 1939		Total to Oct. 31, 1939	
	No.	Amount	No.	Amount	No.	Amount
Niagara.....	1,023	\$ 199,075	223	\$ 44,855	1,246	\$ 243,930
Georgian Bay.....	147	36,657	55	12,540	202	49,197
Eastern Ontario.....	53	12,285	15	3,385	68	15,670
Thunder Bay.....	1	335	2	435	3	770
Manitoulin R.P.D.....	5	1,060	1	230	6	1,290
All systems.....	1,229	249,412	296	61,445	1,525	310,857

Average loan for 1938, \$196.94; for 1939, \$207.58. Average for all loans, \$203.84.

DETAILS OF RURAL LOANS GRANTED TO OCTOBER 31, 1939

Items applied for (including installation) in loans which have been made	Totals for 1,229 loans made to Oct. 31, 1938		Totals for 296 loans made during year to October 31, 1939		Totals for 1,525 loans made to October 31, 1939	
	Number affected	Cost to consumers	Number affected	Cost to consumers	Number affected	Cost to consumers
		\$ c.		\$ c.		\$ c.
Service.....	434	22,918.36	89	5,064.73	523	27,983.09
House wiring.....	434	37,014.51	92	6,937.11	526	43,951.62
Building wiring.....	412	31,045.63	84	6,577.41	496	37,623.04
Motors.....	50	5,171.96	3	156.00	53	5,327.96
Grain grinders.....	667	131,789.97	145	32,805.00	812	164,594.97
Pumping systems.....	103	14,521.05	26	4,384.21	129	18,905.26
Milking machines.....	23	6,393.15	10	3,250.00	33	9,643.15
Washing machines.....	40	4,106.95	6	598.90	46	4,705.85
Milk coolers.....	56	12,335.78	25	5,746.39	81	18,082.17
Ranges.....	1	165.00	1	160.00	2	325.00
Cream separators.....	1	80.00	1	100.00	2	180.00
Totals.....		265,542.36		65,779.75		331,322.11





Respecting the 1,525 loans made to October 31, 1939, the following table shows the number of loans made for each term of years:

One year term.....	26	Six year term.....	10
Two " "	73	Seven " "	79
Three " "	287	Eight " "	9
Four " "	83	Nine " "	0
Five " "	920	Ten " "	38

During the past four years there have been no loans made for periods longer than five years.

RURAL LINE EXTENSIONS APPROVED BY THE COMMISSION DURING
THE YEAR 1939

System	Miles of primary line	Net increase in number of consumers			Power supplied in October, 1939	Capital approved for extensions	
		Ham-let	Farm, etc.	Total		Total	Provincial grant-in-aid
					h. p.	\$ c.	\$ c.
Niagara	936.86	1,779	4,084	5,863	50,005	2,380,526.00	1,190,263.00
Georgian Bay	536.99	1,063	1,502	2,565	6,078	1,105,143.00	547,203.00
Eastern Ontario	765.24	1,386	2,193	3,579	11,170	1,598,200.00	799,100.00
Thunder Bay	90.89	53	224	277	391	186,816.00	93,408.00
Northern Ontario R.P. districts	34.26	887	64	951	789	115,183.00	57,591.50
Totals	2,364.24	5,168	8,067	13,235	68,433	5,385,868.00	2,687,565.50

SUMMARY OF RURAL LINE EXTENSIONS

As Approved by the Commission from June 1, 1921, to October 31, 1939,
Constructed or Under Construction

System	Miles of primary line	Number of consumers			Capital approved for extensions	
		Hamlet	Farm, etc.	Total	Total	Provincial grant-in-aid
					\$ c.	\$ c.
Niagara	10,964.47	30,092	41,308	71,400	25,663,772.89	12,808,606.44
Georgian Bay	2,689.81	9,060	6,757	15,817	5,762,897.95	2,809,729.49
Eastern Ontario	4,141.84	11,389	11,755	23,144	9,240,932.31	4,620,466.15
Thunder Bay	217.12	326	565	891	443,057.00	221,528.50
Northern Ontario R.P. districts	153.26	1,658	247	1,905	411,305.00	205,652.50
Totals	*18,166.50	52,525	60,632	113,157	41,521,965.15	20,665,983.08

*This total includes 460.25 miles of primary line under construction on October 31, 1939, and service to 1,626 new consumers was not completed until after the end of the fiscal year.

CLASSIFICATION OF SERVICES FOR RURAL POWER DISTRICTS

When contracts between the consumer and the township have been executed, users of power in townships are supplied with electric service under general classes, according to the requirements and conditions of the individual consumer, as follows:

Class	Service	Class demand kilowatts	Phase	Volts	Fuse rating amperes (maximum)
1B	Hamlet Lighting.....	1.32	1	110	20
1C	“ “.....	2	1	220-110	35
2A	House Lighting.....	1.32	1	110	20
2B	Small Farm Service.....	2	1	220-110	35
3	Light Farm Service.....	3	1	220-110	35
4	Medium Farm Service.....	5	1	220-110	50
5	“ “ “.....	5	3	220-110	35
6A	Heavy Farm Service.....	9	1	220-110	100
6B	“ “ “.....	9	1 and 3	220-110	60
7A	Special Farm Service.....	15	1	220-110	According to load
7B	“ “ “.....	15	1 and 3	220-110	According to load

Class 1: Hamlet Service—Includes service to consumers (other than farm and power users) in hamlets, where four or more consumers are served from one transformer. Service is given under two sub-classes as follows:

Class 1-B: Service to residences or stores, including use of portable appliances, and permanently installed appliances not exceeding 1,320 watts.

Class 1-C: Service to residences or stores with electric range or ordinary permanently installed appliances greater than 1,320 watts. Where a combination of residence and store can be supplied from one service, the combination is billed as a single Class 1-C consumer. Special or unusual loads will be treated specially.

Class 2-A: House Lighting—Includes service to all consumers other than farm and power users that cannot be grouped as in Class 1.

Class 2-B: Farm Service, Small—Includes service for lighting of farm buildings, power for miscellaneous small equipment and power for single-phase motors not exceeding 2 horsepower and electric range if motors and range are not used simultaneously, on a farm of fifty acres or less.

Class 3: Farm Service, Light—Includes service for lighting of farm buildings, power for miscellaneous small equipment and power for single-phase motors not exceeding 3 horsepower and electric range if motors and range are not used simultaneously.

Class 4: Farm Service, Medium Single-Phase—Includes service for lighting of farm buildings, power for miscellaneous small equipment, and power for single-phase motors up to 5-horsepower demand and electric range if motors and range are not used simultaneously.

Class 5: Farm Service, Medium 3-Phase—Includes service for lighting of farm buildings, power for miscellaneous small equipment and power for 3-phase motors up to 5-horsepower demand and electric range if motors and range are not used simultaneously.

Class 6: Farm Service, Heavy—Includes service for lighting of farm buildings, power for miscellaneous small equipment and power for motors up to 5-horsepower demand and an electric range, or 10-horsepower demand without an electric range. Single- or three-phase service will be given at the discretion of The Hydro-Electric Power Commission of Ontario.

Class 7: Farm Service, Special—Includes service for lighting of farm buildings, power for miscellaneous small equipment, power for 3-phase motors from 10- to 20-horsepower demand and electric range. Single- or three-phase service will be given at the discretion of The Hydro-Electric Power Commission of Ontario.

Note: Classes 2B to 7B are designed primarily to cover the service requirements of farmers. Consumers other than farmers who require a more comprehensive service with greater demand than is provided for in classes 1B, 1C and 2A may obtain this service upon payment of the specified service charge listed in the table of rates.

Note: Class 2B is the service usually supplied to farms of fifty acres or less and Class 3 is the service usually supplied to larger farms. More than 90 per cent of new contracts for farm service are in one or other of these classes.

RURAL POWER DISTRICTS—MILES OF LINE, NUMBER OF CONSUMERS AND RATES—OCTOBER 31, 1939

Rural rates																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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Rural power district	less than 3 cts.	105 <td>240<td>105<td>240<td>228<td>380<td>380<td>684<td>684<td>1140<td>1140</td><td rowspan="5">Gross consumption charges per kilowatt-hour</td></td></td></td></td></td></td></td></td></td>	240 <td>105<td>240<td>228<td>380<td>380<td>684<td>684<td>1140<td>1140</td><td rowspan="5">Gross consumption charges per kilowatt-hour</td></td></td></td></td></td></td></td></td>	105 <td>240<td>228<td>380<td>380<td>684<td>684<td>1140<td>1140</td><td rowspan="5">Gross consumption charges per kilowatt-hour</td></td></td></td></td></td></td></td>	240 <td>228<td>380<td>380<td>684<td>684<td>1140<td>1140</td><td rowspan="5">Gross consumption charges per kilowatt-hour</td></td></td></td></td></td></td>	228 <td>380<td>380<td>684<td>684<td>1140<td>1140</td><td rowspan="5">Gross consumption charges per kilowatt-hour</td></td></td></td></td></td>	380 <td>380<td>684<td>684<td>1140<td>1140</td><td rowspan="5">Gross consumption charges per kilowatt-hour</td></td></td></td></td>	380 <td>684<td>684<td>1140<td>1140</td><td rowspan="5">Gross consumption charges per kilowatt-hour</td></td></td></td>	684 <td>684<td>1140<td>1140</td><td rowspan="5">Gross consumption charges per kilowatt-hour</td></td></td>	684 <td>1140<td>1140</td><td rowspan="5">Gross consumption charges per kilowatt-hour</td></td>	1140 <td>1140</td> <td rowspan="5">Gross consumption charges per kilowatt-hour</td>	1140	Gross consumption charges per kilowatt-hour																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
	3 cts....	75 <td>180<td>75<td>180<td>168<td>280<td>280<td>504<td>504<td>840<td>840</td></td></td></td></td></td></td></td></td></td>	180 <td>75<td>180<td>168<td>280<td>280<td>504<td>504<td>840<td>840</td></td></td></td></td></td></td></td></td>	75 <td>180<td>168<td>280<td>280<td>504<td>504<td>840<td>840</td></td></td></td></td></td></td></td>	180 <td>168<td>280<td>280<td>504<td>504<td>840<td>840</td></td></td></td></td></td></td>	168 <td>280<td>280<td>504<td>504<td>840<td>840</td></td></td></td></td></td>	280 <td>280<td>504<td>504<td>840<td>840</td></td></td></td></td>	280 <td>504<td>504<td>840<td>840</td></td></td></td>	504 <td>504<td>840<td>840</td></td></td>	504 <td>840<td>840</td></td>	840 <td>840</td>	840																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
	3.1 to 4 cts....	60 <td>150<td>60<td>150<td>138<td>230<td>230<td>414<td>414<td>690<td>690</td></td></td></td></td></td></td></td></td></td>	150 <td>60<td>150<td>138<td>230<td>230<td>414<td>414<td>690<td>690</td></td></td></td></td></td></td></td></td>	60 <td>150<td>138<td>230<td>230<td>414<td>414<td>690<td>690</td></td></td></td></td></td></td></td>	150 <td>138<td>230<td>230<td>414<td>414<td>690<td>690</td></td></td></td></td></td></td>	138 <td>230<td>230<td>414<td>414<td>690<td>690</td></td></td></td></td></td>	230 <td>230<td>414<td>414<td>690<td>690</td></td></td></td></td>	230 <td>414<td>414<td>690<td>690</td></td></td></td>	414 <td>414<td>690<td>690</td></td></td>	414 <td>690<td>690</td></td>	690 <td>690</td>	690																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
	4.1 to 5 cts....	45 <td>120<td>45<td>120<td>108<td>180<td>180<td>324<td>324<td>540<td>540</td></td></td></td></td></td></td></td></td></td>	120 <td>45<td>120<td>108<td>180<td>180<td>324<td>324<td>540<td>540</td></td></td></td></td></td></td></td></td>	45 <td>120<td>108<td>180<td>180<td>324<td>324<td>540<td>540</td></td></td></td></td></td></td></td>	120 <td>108<td>180<td>180<td>324<td>324<td>540<td>540</td></td></td></td></td></td></td>	108 <td>180<td>180<td>324<td>324<td>540<td>540</td></td></td></td></td></td>	180 <td>180<td>324<td>324<td>540<td>540</td></td></td></td></td>	180 <td>324<td>324<td>540<td>540</td></td></td></td>	324 <td>324<td>540<td>540</td></td></td>	324 <td>540<td>540</td></td>	540 <td>540</td>	540																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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Property number	Miles of line	No. of con- sumers	Maximum gross monthly service charge to Summer cottages. Where the rates are below these standards, they are indicated in each instance by f.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
			\$	c.	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
Gross monthly service charge to regular consumers																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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Acton..... Ailsa Craig..... Alvinston..... Amherstburg..... Aylmer..... Ayr..... Baden..... Beamsville..... Belle River..... Blenheim.....	N5 D1	15.50	49	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.56	\$	1.11	\$	1.11	\$	1.56	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11	\$	1.11

Prompt payment discount on gross bill

Gross consumption charges per kilowatt-hour

First Second energy rate rate

Rate for all additional

cents cents cents

cents cents cents

cents cents cents

cents cents cents

cents cents cents

cents cents cents

cents cents cents

cents cents cents

cents cents cents

cents cents cents

cents cents cents

Delaware.....	N4	D3	194.16	938	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75	10
Dorchester.....	N4	D1	148.90	816	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75	10
Dresden.....	N14	D12	106.67	361	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Drumbo.....	N12	D5	97.74	457	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75	10
Dundas.....	N2	D1	168.24	1,105	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	1.25	0.75	10
Dunnville.....	N1	D9	92.20	470	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10
Dutton.....	N11	D3	107.70	353	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Elmira.....	N7	D3	38.70	141	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75	10
Elora.....	N5	D4	98.20	419	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75	10
Essex.....	N15	D7	157.12	793	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4.5	2	0.75	10
Exeter.....	N4	D6	135.46	989	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10
Forest.....	N18	D6	117.64	497	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Galt.....	N6	D2	53.05	473	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	1.5	0.75	10
Georgetown.....	N5	D2	89.78	401	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75	10
Goderich.....	N8	D2	70.15	281	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10
Grantham.....	N44	D1	67.42	950	1.00	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	1.5	0.75	10
Guelph.....	N5	D3	163.67	890	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	1.5	0.75	10
Haldimand.....	N2	D8	198.91	881	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4.5	2	0.75	10
Harriston.....	N8	D5	32.49	91	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10
Harrow.....	N15	D4	82.74	880	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4.5	2	0.75	10
Ingersoll.....	N10	D3	229.44	863	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5.5	2	0.75	10
Jordan.....	N44	D2	48.62	495	1.06	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	1.5	0.75	10
Keswick.....	N3	D5	79.52	1,431	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75	10
Kingsville.....	N15	D5	180.02	1,974	1.00	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	2	0.75	10
Listowel.....	N8	D8	113.80	483	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75	10
London.....	N4	D2	235.00	2,891	0.90	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	1.5	0.75	10
Lucan.....	N4	D5	90.88	282	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Lynden.....	N2	D2	82.72	372	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75	10
Markham.....	N3	D1	170.42	1,423	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75	10
Merlin.....	N14	D15	132.80	548	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10

*See footnote on page 51.

†Summer cottage rates.

RURAL POWER DISTRICTS—MILES OF LINE, NUMBER OF CONSUMERS AND RATES—OCTOBER 31, 1939—Continued

Rural power district	Rural rates															Prompt payment discount				
	Class	Miles of line	No. of consumers	Gross monthly service charge to regular consumers													Gross consumption charges			
				1B	1C	2A	2B	3*	4	5	6A	7A	7B	First energy rate†	Second rate‡		Rate for all additional			
NIAGARA SYSTEM—Continued																				
Milton.....	N13 D3	99.80	497	\$ 1.11	1.11	1.11	1.11	\$ 1.11	1.56	2.50	2.78	2.78	\$ 3.33	3.33	4	cents	2	cents	0.75	10
Milverton.....	N8 D9	69.79	270	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4	cents	2	0.75	10	
Mitchell.....	N8 D7	104.47	504	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4.5	cents	2	0.75	10	
Newmarket.....	N3 D4	100.47	632	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4	cents	2	0.75	10	
Niagara.....	N1 D1	63.00	466	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	cents	1.5	0.75	10	
Norwich.....	N10 D1	165.13	825	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.5	cents	2	0.75	10	
Oil Springs.....	N18 D3	78.56	265	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	cents	2	0.75	10	
Palmerston.....	N8 D6	80.07	233	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4	cents	2	0.75	10	
Petrolia.....	N18 D5	46.28	183	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	cents	2	0.75	10	
Preston.....	N6 D1	183.80	1,475	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	cents	1.25	0.75	10	
Ridgetown.....	N14 D2	128.41	892	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4	cents	2	0.75	10	
St. Jacobs.....	N7 D2	99.62	504	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	cents	1.5	0.75	10	
St. Marys.....	N9 D1	200.88	768	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	cents	2	0.75	10	
St. Thomas.....	N11 D1	228.66	1,572	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	cents	1.5	0.75	10	
Saltfleet.....	N17 D1	104.10	2,119	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	cents	1.5	0.75	10	
Sandwich.....	N15 D1	152.95	2,653	1.00	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.5	cents	1.5	0.75	10	
Sarnia.....	N18 D4	116.97	1,787	1.11	1.56	1.11	1.56	1.56	1.56	2.50	2.78	2.78	3.33	3.33	3.5	cents	2	0.75	10	
Scarboro.....	N3 D2	110.26	1,399	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4	cents	2	0.75	10	
Seaforth.....	N8 D10	34.12	189	1.10	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4	cents	2	0.75	10	
Simcoe.....	N12 D6	138.60	840	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4	cents	2	0.75	10	
Stamford.....	N44 D4	11.29	285	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	cents	1.5	0.75	10	
Stratford.....	N4 D4	56.75	302	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.5	cents	2	0.75	10	
Strathroy.....	N4 D4	159.71	514	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	cents	2	0.75	10	
Streetsville.....	N13 D1	130.96	681	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.5	cents	2	0.75	10	
Tavistock.....	N8 D1	139.25	534	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	cents	2	0.75	10	

Thamesville.....	N14	D11	118.28	479	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75
Tilbury.....	N14	D14	143.95	615	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75
Tillsonburg.....	N10	D4	197.54	1,142	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.5	2	0.75
Wallaceburg.....	N14	D13	186.56	1,023	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75
Walsingham.....	N12	D7	300.44	1,588	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75
Walton.....	N8	D3	100.51	465	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75
Waterdown.....	N2	D3	87.80	1,157	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	2.5	1	0.75
Waterford.....	N12	D3	139.88	629	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75
Watford.....	N18	D7	56.35	187	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75
Welland.....	N1	D5	340.76	3,605	1.00	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	1.5	0.75
					†1.00	1.56	1.11	1.56	1.11	1.56	1.56	2.50	2.78	2.78	3.33	3.33			
Woodbridge.....	N16	D1	266.91	1,509	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	2	0.75
Woodstock.....	N10	D2	183.56	960	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	2	0.75

Total, Niagara system 10,964.47

71,400

*See footnote on page 51.

†Summer cottage rates.

‡See heading to first page of table.

GEORGIAN BAY SYSTEM

Alliston.....	GS32	D1	69.59	309	\$ 1.11	1.11	\$ 1.11	1.11	\$ 1.11	1.11	\$ 1.56	2.50	2.78	\$ 2.78	\$ 2.78	\$ 3.33	6	cents	cents	¢
Arthur.....	GE13	D2	24.01	63	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	2.78	3.33	6	2	0.75	10
Bala.....	GB13	D1	71.32	508	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	2.78	3.33	5	2	0.75	10
Barrie.....	GS4	D1	103.47	840	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	2.78	3.33	5	2	0.75	10
Baysville.....	GM10	D1	53.95	328	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	2.78	3.33	6	2	0.75	10
Beaumaris.....	GM7	D1	79.60	571	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	2.78	3.33	5	2	0.75	10
Beaverton.....	GW2	D1	58.99	558	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	2.78	3.33	5	2	0.75	10
Beton.....	GS33	D1	1.80	5	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	2.78	3.33	6	2	0.75	10
Bradford.....	GS37	D1	60.00	198	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	2.78	3.33	6	2	0.75	10
Bruce.....	GE19	D1	196.40	789	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	2.78	3.33	5	2	0.75	10
Buckskin.....	GS24	D1	5.55	36	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	2.78	3.33	6	2	0.75	10
Cannington.....	GW3	D1	35.74	146	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	2.78	3.33	6	2	0.75	10
Chatsworth.....	GE3	D1	13.20	54	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	2.78	3.33	6	2	0.75	10
Cookstown.....	GS35	D1	4.83	9	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	2.78	3.33	6	2	0.75	10
Creemore.....	GS10	D2	111.86	383	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	2.78	3.33	5	2	0.75	10
Dundalk.....	GE5	D1	32.09	90	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	2.78	3.33	6	2	0.75	10
Elmvale.....	GS7	D1	51.43	267	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	2.78	3.33	5.5	2	0.75	10
Flesherton.....	GE1	D1	33.59	136	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	2.78	3.33	6	2	0.75	10
Gravenhurst.....	G34	D1	16.37	82	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	2.78	3.33	5	2	0.75	10
Hawkestone.....	GS9	D1	83.73	467	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	2.78	3.33	3	1.5	0.75	10

RURAL POWER DISTRICTS—MILES OF LINE, NUMBER OF CONSUMERS AND RATES—OCTOBER 31, 1939—Continued

Rural power district	Rural rates																Gross consumption charges		Prompt payment discount																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
	Class		Miles of line	No. of consumers	Gross monthly service charge to regular consumers																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
	Property number	1B			1C	2A	2B	3*	4	5	6A	6B	7A	7B																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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Total Georgian Bay system, 2,689.81 15,817 *See footnote on page 51. †These rates apply to regular consumers and summer cottages.

‡See heading to first page of table.

EASTERN ONTARIO SYSTEM

Alexandria.....	QL15	D1	74.57	302	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Ann Arbor.....	OM10	D1	58.17	573	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Belleville.....	QC38	D1	153.64	1,069	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	1.5	10
Bowmanville.....	QC23	D1	68.92	313	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10
Brighton.....	QC6	D1	14.59	99	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Brockville.....	QL3	D1	168.93	1,139	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Calabogie.....	OM13	D1	3.90	73	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10
Campbellford.....	QC11	D1	48.13	167	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Carleton Place.....	QH5	D1	48.62	161	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Chesterville.....	QL5	D1	161.61	831	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Cobourg.....	QC13	D1	192.60	918	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10
Colborne.....	QC7	D1	86.25	427	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10
Cornwall.....	QL1	D1	37.96	101	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Fenelon Falls.....	QC30	D1	129.87	813	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Iroquois.....	QL9	D1	118.99	579	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Kemptville.....	QH9	D1	7.97	74	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Kingston.....	QC44	D1	305.69	1,674	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10
Lakefield.....	QC18	D1	98.84	408	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Madoc.....	QC33	D1	53.59	166	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10
Marmora.....	QC47	D1	4.28	38	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Martintown.....	QL13	D1	78.72	354	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Maxville.....	QL14	D2	223.37	1,048	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Millbrook.....	QC25	D1	42.45	203	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Napanee.....	QC43	D1	281.13	1,219	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10
Nepean.....	QT1	D1	253.17	1,667	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	1.5	0.75	10
Newcastle.....	QC22	D1	58.06	226	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Norwood.....	QC31	D1	45.52	228	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Ormeau.....	QC26	D1	28.01	68	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10
Oshawa.....	QC24	D1	206.58	2,322	1.00	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	1.75	0.75	10
Pembroke.....	QM30	D1	19.96	58	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Perth.....	QH2	D1	94.93	401	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Peterborough.....	QC20	D1	122.29	1,505	0.63	1.11	0.79	1.11	1.11	1.56	2.01	2.57	2.78	3.33	3.33	4	2	0.75	10
Prescott.....	QL2	D1	77.37	364	1.11	1.11	1.11	1.11	1.11	1.56	2.01	2.57	2.78	3.33	3.33	6	2	0.75	10
Renfrew.....	QM16	D1	57.83	335	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Smiths Falls.....	QH3	D1	110.77	705	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10

RURAL POWER DISTRICTS—MILES OF LINE, NUMBER OF CONSUMERS AND RATES—OCTOBER 31, 1939—Continued

Rural power district	Rural Rates													Prompt payment discount	
	Class.....	Gross monthly service charge to regular consumers										Gross consumption charges			
		1B	1C	2A	2B	3*	4	5	6A	6B	7A	7B	First energy rate		Second energy rate additional

EASTERN ONTARIO SYSTEM—Continued

					\$	c.	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.	cents	cents	%
Stirling	QC35	D1	78.62	257	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.33	5	2	0.75	10
Sulphide	QC34	D1	61.74	256	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.33	6	2	0.75	10
Trenton	QC3	D1	100.70	449	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.33	5	2	0.75	10
Warkworth	QC49	D1	20.66	74	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.33	6	2	0.75	10
Wellington	QC45	D1	286.06	1,213	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.33	6	2	0.75	10
Williamsburg	QL7	D1	56.78	267	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.33	6	2	0.75	10
Total, Eastern Ontario system			4,141.84	23,144																	

THUNDER BAY SYSTEM

Fort William	P10	D1	138.20	533	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.33	4	2	0.75	10
Nipigon	P6	D1	5.60	14	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.33	4	2	0.75	10
Port Arthur	P2	D1	73.32	344	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.33	4	2	0.75	10
Total, Thunder Bay system			217.12	891																

NON-SYSTEM PROPERTIES

Connaught	XA22	D1			1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.33	6	2	0.75	10
Crystal Falls	XS7	D1			1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.33	6	2	0.75	10
Kapuskasing	XA14	D1			1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.33	6	2	0.75	10
Manitowlin	XM1	D1	96.09	462	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.33	6	2	0.75	10
North Bay	XZ4	D1	28.05	596	0.87	1.11	1.01	1.11	1.11	1.56	2.17	2.68	2.78	3.33	3.33	3.33	6	2	0.75	10
					†0.87	1.38	1.01	1.38	1.44	1.56	2.17	2.68	2.78	3.33	3.33	3.33				
Powassan	XZ8	D1	17.35	75	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.33	6	2	0.75	10
Rainy River	XR1	D1			1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.33	6	2	0.75	10
Sudbury	XS5	D1	11.77	772	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.33	5.5	2	0.75	10
Teck	XA16	D1			1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.33	6	2	0.75	10

Total, all systems: Miles of line, 18,166.50. ¶Number of consumers, 113,157. ¶This total includes 460.25 miles of primary line under construction on October 31, 1939, and service to 1,626 new consumers was not completed until after the end of the fiscal year.

*See footnote on page 51.

†See heading to first page of table.

SECTION IV

SALES PROMOTION

DURING the first two decades of its existence, the Hydro enterprise experienced a continuous and rapid growth. This growth was influenced by a succession of stimulating causes, culminating in the economic boom of the late twenties. Except for one or two circumstances, however, the remarkable growth of Hydro service during these decades was no isolated phenomenon. Over the world, in industry and in the home, electricity was becoming recognized as the most efficient servant of mankind. But to this natural advantage of electricity the publicly-owned Hydro enterprise, assisted by low-cost hydro-electric power, added the attractive feature of low rates which, being based upon service at cost, were inherently promotional in form. As a result, Ontario has always been among the leaders in the per capita use of electricity.

The chief problem of the Commission during the first twenty years of its existence was that of providing sufficient power to meet the ever-pressing demand. The product which Hydro had to deliver virtually sold itself and, it will be recalled, during the later years of the last war, restrictions had to be imposed upon the consumption of electricity. The economic depression ended this period of rapid growth, and since 1930 the Commission has had ample supplies of power to meet anticipated load growth.

In recent years, therefore, the Commission has been able to urge upon the municipalities and the citizens of Ontario the adoption of a more aggressive sales policy which, by inducing a fuller use of Hydro service, would result in further raising the already relatively high standard of living in Ontario. In accordance with this policy, the Commission during 1939 enlarged its sales promotional activities, and in connection therewith organized a new Sales Promotion department.

Plans formulated in connection with sales promotion efforts provided for an organization which would be able to work directly in co-operation with the municipal Hydro systems and other sections of the electrical industry, and for a reasonably comprehensive advertising programme. During the fiscal year the department operated under a budget approved by the Commission in November, 1938, and the amount expended was well within the amount allocated.

The results of the first year's work have, it is believed, been satisfactory, and while it is difficult, and in many cases impossible, to evaluate with any

degree of statistical accuracy the results of the work undertaken, it may be stated that quite definite value was received for the expenditures made. Moreover, it must be remembered that the benefits achieved in one year to a very large extent repeat themselves during the following years.

Advertising

The Commission's advertising programme was divided into four principal sections: institutional, domestic, rural, and commercial and industrial.

Coupled with the institutional advertising programme was a Radio programme which was broadcast for thirteen weeks, during the period from February to April. The Commission has evidence that the programme was well received, and had a direct benefit in building up public consciousness of the value of electrical service. The remainder of the institutional programme was devoted to advertising carried in a group of financial and executive magazines, and there are indications that this advertising did much to foster a better understanding of Hydro, and a more friendly feeling towards it.

The domestic advertising programme was mainly concentrated in the daily newspapers of the Province. It was designed to support the efforts of municipal utilities in connection with a series of electric demonstration weeks which were held in the spring and early summer seasons. Although it is difficult to evaluate the benefits of this advertising, it is known that during the course of the year there was in Ontario a substantial increase in purchases of electrical household equipment as compared with previous years.

One of the most effective and worth-while advertising campaigns undertaken during the year was that carried in farm papers. Rural power district superintendents and electrical manufacturers indicate that this programme was most beneficial, and was responsible for a large increase in electrical farm applications.

Commercial and industrial advertising, carried in trade and business magazines, was directed mainly at the retail stores of the Province, and dealt principally with the question of better lighting. This advertising, which is relatively low in cost, supported the field operations in commercial lighting, and was quite helpful.

Some idea of the coverage of the advertising programme may be gained by multiplying the circulation of the publications used by the number of advertisements. Adding to this total, about 600,000 listeners to the radio programmes, it is estimated that about 9,400,000 "messages" were conveyed to the public of Ontario during the year.

Bulletins Published

Coupled with the space advertising, a number of booklets for the general use of the municipal Hydro utilities and rural power districts were issued. Some of these booklets, dealing with various applications of the use of electricity, were for distribution to the consumer. Others were for the purpose of stimulating the individual Hydro utility to carry out greater promotional effort in its local area.

The chief booklets issued were: a 20-page booklet, "Hydro 1939 Range Campaign", designed to stimulate municipal effort and to provide advertising material for use by Hydro utilities; a 20-page booklet, "Electric Demonstra-



Representative group of booklets and advertisements used in sales promotion work during 1939

tion Week", issued to advise municipal Hydro systems of this campaign and provide information for successful operation; a 22-page booklet, "Hydro Water Heater Manual", designed to stimulate municipal effort on water heaters and to provide advertising material for use in this connection; a 20-page booklet, "39 Steps To Better Business", issued to promote better lighting for commercial use; and "Hydro On The Farm", a 14-page booklet to encourage the use of Hydro service by the rural consumer.

Smaller bulletins were issued to stimulate sales effort by industry in the rural field and to provide advertising material in connection with Hydro lamp sales promotion. In addition, a number of leaflets on ranges, water heaters and appliances were published and distributed by the local Hydro utilities with lighting bills or in other ways.

Domestic Promotion

During the year, sales promotion field men have worked actively in nearly all of the Hydro municipalities in the Niagara, Georgian Bay and Eastern Ontario systems. Each municipal utility was encouraged, with considerable success, to carry out increased promotion of its domestic load. At the end of the fiscal year 1938, only 124 Hydro utilities were active in the promotion of electric range load. Of this number 88 were providing free range service wiring, and 36 were providing such wiring in part. At the end of the 1939 fiscal year, 180 Hydro utilities (an increase of 56) were providing such service, 115 of them giving completely free range service wiring, and the other 65 giving it in part. In addition, a large number of the municipal utilities have undertaken to finance electric ranges on an equitable basis, not only through their own Hydro shops, but also for the dealers in the community. In so far as the range campaign is concerned, the estimated number of electric ranges installed in Ontario during the year is some twenty per cent greater than during the previous year.

Many of the municipal utilities are also assisting the local electrical industry by co-operating in advertising programmes, and by joining with the dealers in endeavouring to build up the domestic appliance load. As a result of the domestic promotion work, it is estimated that domestic consumption of the municipal Hydro systems has increased by some 6,500,000 kilowatt-hours, or more during the year, over and above the normally expected load growth without additional promotion work.

Rural Promotion

In addition to the advertising programme carried out for the benefit of the rural sections, direct field promotion work was successfully carried forward by means of the Rural Travel Shop. This Travel Shop consisted of a large demonstration trailer completely equipped with electrical appliances. It visited most of the rural power districts, and gave demonstrations at many of the Fall fairs, covering 3,460 miles and visiting 65 towns. At 114 demonstrations and cooking schools there was an aggregate attendance of more than 27,000 people. Nearly 60,000 visitors at Fall fairs inspected the Rural Travel Shop and much enthusiasm was evoked by the displays and demonstrations.

It is estimated that the operation of the Travel Shop increased rural consumption of electrical energy by some 1,000,000 kilowatt-hours. A further indication of its value is that a greater number of ranges than in any previous years were financed by the Commission on the farms of Ontario.

Commercial and Industrial Promotion

Previous to the formation of this department, commercial lighting promotion had been started throughout the Province. During the year, this work was enlarged. Six lighting engineers, working on behalf of the municipal Hydro systems, made lighting surveys in individual businesses, and presented reports which have largely been acted upon. About 250 retail stores comprised about 41 per cent of the recommendations made, and 182 schools an added 30 per cent. This work has resulted in a worth-while increase in lighting load and in kilowatt-hour consumption. The estimated increased annual consumption by commercial lighting consumers aggregates about 8,500,000 kilowatt-hours.

Comparatively little work was carried out in the early months of the year in connection with industrial plants, but since the commencement of the War, every effort has been directed toward serving industry, and field work promoting more efficient lighting in manufacturing plants is being zealously carried forward. Undoubtedly, this effort will contribute towards increased production for War service.

A small group of industrial engineers working in the department carried out surveys of various plants. Reports were submitted to these plants, recommending changes which will improve their operating conditions and incidentally increase their loads.

During 1940, an effort will be made to increase the applications of electricity to industrial operations, and to maintain the use of electricity at the most economical and effective level. Special attention will be paid to those plants manufacturing war equipment.

Sales of Lamps and Equipment

The sale of miscellaneous supplies and equipment including water heater equipment to the municipal Hydro systems has amounted during the course of the year, to a total of \$233,776. In addition to these sales of miscellaneous equipment, the distribution of Hydro lamps to the municipal systems has substantially increased. In 1939, there were a total of 912,147 lamp units handled, as compared with 693,832 in 1938—an increase of 32 per cent.

General Conclusions

From information gathered from all sections of the electrical industry, it is believed that the results obtained by the sales promotion activities of the Commission during 1939 were of substantial value. The efforts put forth in 1939 and the training and organization of the Sales Promotion staff will have a cumulative beneficial effect upon future operations.

In the course of this survey some estimates of the added kilowatt-hour consumption attributable to the sales promotion efforts have been given. The grand total of this increased annual consumption is about 16,900,000 kilowatt-hours, representing a continuing annual increase in revenue to the municipal Hydro systems of some \$260,000.

During the coming year the sales promotion efforts of the Commission will be modified and co-ordinated with other activities in order to ensure that Hydro service gives the maximum possible help to the war efforts of Ontario, particularly in the efficient manufacture of war supplies and in maintaining agricultural production.

SECTION V

HYDRAULIC ENGINEERING AND CONSTRUCTION

DURING 1939 increasing power demands made it necessary to devote time and attention on all systems to hydraulic engineering studies and estimates of costs, relating mainly to future construction of additional generating capacity.

In active construction the Hydraulic department was concerned chiefly with the extension to the Ear Falls generating station by the installation of the third unit. Attention was also given to the design and installation of various protective works intended to further safeguard the Commission's power plants.

NIAGARA SYSTEM

At the present time the DeCew Falls development is the chief source of supply of power to the 66 $\frac{2}{3}$ -cycle division of the Niagara system. Growth in load on this division made it necessary to provide additional pondage at DeCew Falls, which was done by raising the normal high-water level in the reservoirs from elevation 554.5 to elevation 555.5. To provide sufficient freeboard for this higher water level, it was decided to raise portions of the earth dykes and to build other temporary works. This work is proceeding.

A timber bridge, crossing a small channel in the reservoir, was dismantled and replaced by an earth and rock fill.

Further studies and cost estimates were made to determine the feasibility of rebuilding the present DeCew Falls plant to operate as a peak-load plant on the Niagara 25-cycle system.

At the Queenston development certain betterments were carried out. Changes were made to the sump pumps and discharge lines in the power house. Various protective works were carried out above and at either end of the power house to safeguard the plant from damage from falling rocks.

At the Ontario Power plant two service-unit generators were changed over from turbine drive to motor drive. The hydraulic turbines which had previously driven these generators were removed and their appurtenant penstocks and draft tubes were blocked off.



SURVEY OPERATIONS

Platform used for drilling to determine rock elevation

GEORGIAN BAY SYSTEM

At Eugenia generating station the No. 2 surge-tank housing, which had been destroyed by fire, was replaced by one of fire-resistant design.

The Ragged Rapids development, situated below Bala on the Musquash river, was in operation by November 1938, and all work in hand was completed during the subsequent year. A description of the plant was given in the last annual report.

The continued load growth in the Georgian Bay system, which following the completion of the Ragged Rapids generating station reached 40,000 horsepower in 1939, made it desirable to continue studies and field surveys and to make preliminary designs and cost estimates respecting other power sites available in the district.

EASTERN ONTARIO SYSTEM

Hydraulic studies, preliminary designs and cost estimates were continued covering possible power developments and storage basins on the Madawaska river.

At Fenelon Falls, hydraulic tests were carried out, both at the Commission's plant and at the plant owned by the municipality.

THUNDER BAY SYSTEM

Increased loads on the Thunder Bay system necessitated studies for future power resources. These studies embraced plans for possible new developments on the Nipigon river upstream from the present generating stations, using present flows, and also plans for the efficient utilization of flows derived from possible diversion of Ogoki river water down the Nipigon river.

At the Alexander generating station the log-slide was repaired and lined with steel plate.

NORTHERN ONTARIO PROPERTIES

Abitibi District

Field surveys were made on the French and Mississagi rivers to provide data for preliminary designs and cost estimates in connection with studies of new power sources in the Abitibi district.

Patricia-St. Joseph District

The continued growth of mining loads in the Patricia and St. Joseph districts required that further generating capacity be provided. Careful studies revealed the fact that the linking up of these two districts would effect operating economies and improvements in regulation and would also safeguard essential power supplies in the event of breakdown to the generating plants, either at Ear Falls or Rat Rapids. Furthermore, interconnection would enable the growing power demand of both districts to be met initially by the enlargement of the Ear Falls development in the Patricia district.

The 48-mile transmission line from Ear Falls to the Uchi line was therefore extended 113 miles to Crow River where it is now linked to the transmission line to the Pickle Lake area. This permits the two plants to be operated in parallel as a co-ordinated system with better frequency regulation at Rat Rapids provided by the stabilizing effect of the larger Ear Falls plant.

The Ear Falls development on the English river is situated at the outlet of Lac Seul in the district of Patricia. The English river is one of the large tributaries of the Winnipeg river on which a number of power developments serving Winnipeg and other parts of the province of Manitoba have been constructed. In 1928-1929 a conservation dam was built at the outlet of



EAR FALLS DEVELOPMENT—ENGLISH RIVER
Power house as extended for unit No. 3



EAR FALLS DEVELOPMENT—ENGLISH RIVER
Lower end of left-hand conduit scroll case and speed ring, for unit No. 3

Lac Seul, the governments of the Dominion and of the Province of Ontario co-operating. The dam regulates the outflow of the lake for the benefit of present and future developments on the English and Winnipeg rivers. It creates a reservoir having a storage capacity of 4,500,000 acre-feet, which is sufficient to effect almost complete regulation of the outflow. The drainage area above the dam covers about 10,200 square miles.

The design of the dam provided for future power development, but the opening up of nearby mining properties during the period of construction justified the immediate provision of a power plant at the site. The initial development undertaken early in 1929 consisted of a small plant with an installation of a single unit of 5,000 horsepower under a head of 36 feet. The unit was placed in service on Christmas day, 1929. A second similar unit was installed in 1937, the turbines in both cases being of the fixed-blade propeller type.

Unit No. 3 has a vertical turbine rated at 7,500 horsepower at 36 feet of head, 150 r.p.m., with an automatically adjustable blade runner of the Kaplan type. The servomotor which controls the adjustable blades of the turbine runner is built into the turbine shaft and an oil-pressure governor controls the unit. This unit is the second of the Kaplan type to be installed in the Commission's plants. The high efficiencies given by the Kaplan runner over a wide range in load and discharge will enable the Ear Falls plant to make the most economical use of storage water.

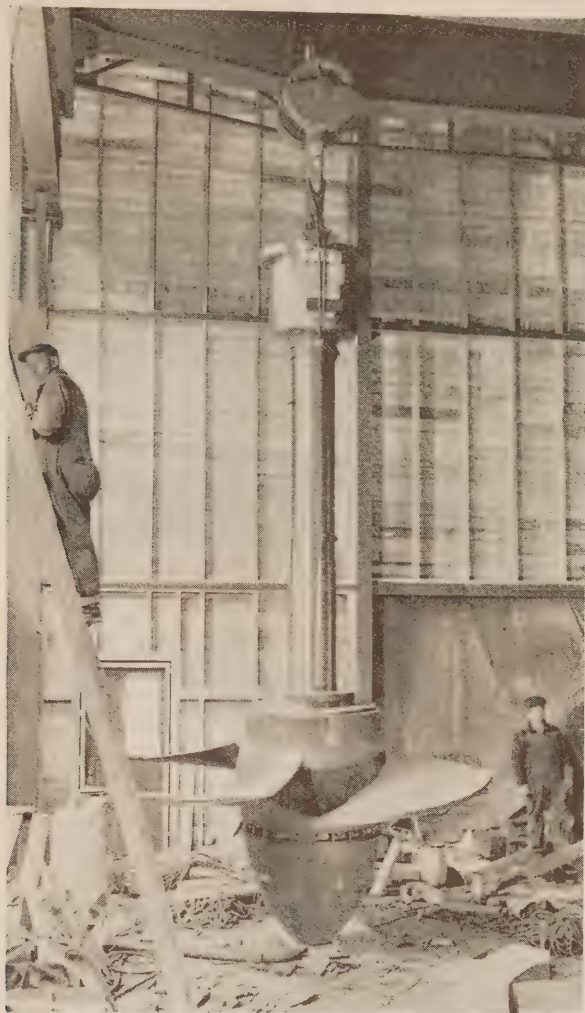
The vertical generator is direct connected to the turbine, and is rated at 6,000 kv-a., 90 per cent power-factor, 6,600 volts, 150 r.p.m., 60 cycles, and has a 75-kw. main exciter and a 5-kw. pilot exciter direct connected thereto.

The turbine settings for the three units installed to date are each of reinforced concrete with spiral type scroll case, and are about 170 feet downstream from the regulating dam. Water is conveyed from the intakes, which are located in power sluices in the regulating dam, through penstocks to the scroll cases. The penstocks for units Nos. 1 and 2 are wood stave, and for unit No. 3 reinforced concrete nearly square in cross-section.

Units Nos. 1 and 2 are constructed with short conical draft tubes of plate steel reinforced with a concrete envelope. Unit No. 3 is provided with a concrete elbow type draft tube. When completed, the plant will contain four units having a total capacity of 25,000 horsepower under a head of 36 feet.

Long Lac Diversion

The Long Lac diversion project was described in the last annual report. Work on the canal was continued and completed during the year. The canal was designed and constructed for the transportation of pulpwood and to divert ultimately an annual average flow of about 1,100 cubic feet per second southerly to lake Superior. It was placed in operation in July 1939. Up to the present time the project has been used solely for the transportation of pulpwood from the Kenogami watershed to lake Superior.



EAR FALLS DEVELOPMENT—ENGLISH RIVER
Kaplan runner and shaft, for turbine unit No. 3

HYDRAULIC INVESTIGATIONS

The routine work of the Hydraulic department included the following activities. Collection and compilation of hydrometric data. Rating of hydraulic turbines and sluiceways to enable the compilation of proper water records at the power houses, and supervision of the operation of storage basins. Investigations were carried on at certain generating stations and dams to ensure proper hydraulic operating conditions. Engineering work was continued in connection with the maintenance of the hydraulic plants on the various systems, and numerous sundry items having to do with land, contracts and agreements were handled.

At the request of the municipality of Bracebridge, turbine efficiency tests were carried out at one of the town's hydro-electric plants.

SECTION VI

ELECTRICAL ENGINEERING AND CONSTRUCTION

CONSTRUCTION work during the past year was most active in the mining districts of northern Ontario. In the co-operative systems new construction work and modifications to meet changing conditions due to load growth proceeded normally.

Co-operative Systems

An extensive investigation of conditions in the Toronto suburban area resulted in the approval of the construction of Toronto Fairbank transformer station directly north of the city near Dufferin street for the supply of power to Weston, Etobicoke township, York township, North York township, Forest Hill Village and various municipalities along Yonge street between Toronto and Lake Simcoe. The station will have an initial capacity of 50,000-kv-a, comprising two transformer units.

A new 6,000-kv-a transformer station with voltage-regulating equipment is being installed near Simcoe to improve the power supply to the municipalities south of Brant transformer station. A 67,500-kv-a transformer station at the Ontario Paper Company plant in Thorold, 15,000-kv-a additional capacity at Toronto-Bridgman transformer station and 3,750-kv-a additional capacity at St. Thomas transformer station are being installed.

Twenty-three new distributing stations were installed or under construction during the year and the transformer capacity of twenty-five other distributing stations has been increased.

Over thirty-one miles of new transmission lines were placed in service and many revisions and improvements to existing lines were made. Distribution circuits have been extended about 2,650 miles for the supply of power to rural customers of the co-operative systems.

Northern Ontario Properties

An additional 6,000-kv-a generator is being installed at Ear Falls generating station for the supply of power to the Patricia and St. Joseph districts, which were combined during the year. A 44,000-volt tie line was built be-



TRANSPORTATION IN NORTHERN ONTARIO

Moving survey party from lake to lake along route of proposed transmission line



TRANSMISSION LINES—NORTHERN ONTARIO PROPERTIES

Typical pole on 44,000-volt transmission line, Ear Falls generating station to Sioux Lookout

tween the two districts and a new 3,750-kv-a transformer station was installed at Crow River to effect the tie. A new 15,000-kv-a transformer station is being installed at Timmins and a 1,000-kv-a transformer station was built at Shining Tree. Five new distributing stations were installed in the mining districts and the capacity of another was increased. Metering equipment was installed for the measurement of power supply to seven new mining companies and to take care of the increased power demand of four existing mining customers. A total of 306 miles of transmission lines were erected and also 22 miles of distribution circuits for the supply of power to rural customers.

Planning for the Future

Expansion and growth of the various systems during recent years has introduced complex technical problems requiring advance planning and the maximum co-operation that can be secured between the various branches of the Electrical Engineering department and other departments. To ensure this co-ordination of effort, a Planning section has been established in connection with the Electrical Engineering department.

GENERATOR, TRANSFORMER AND DISTRIBUTION STATIONS

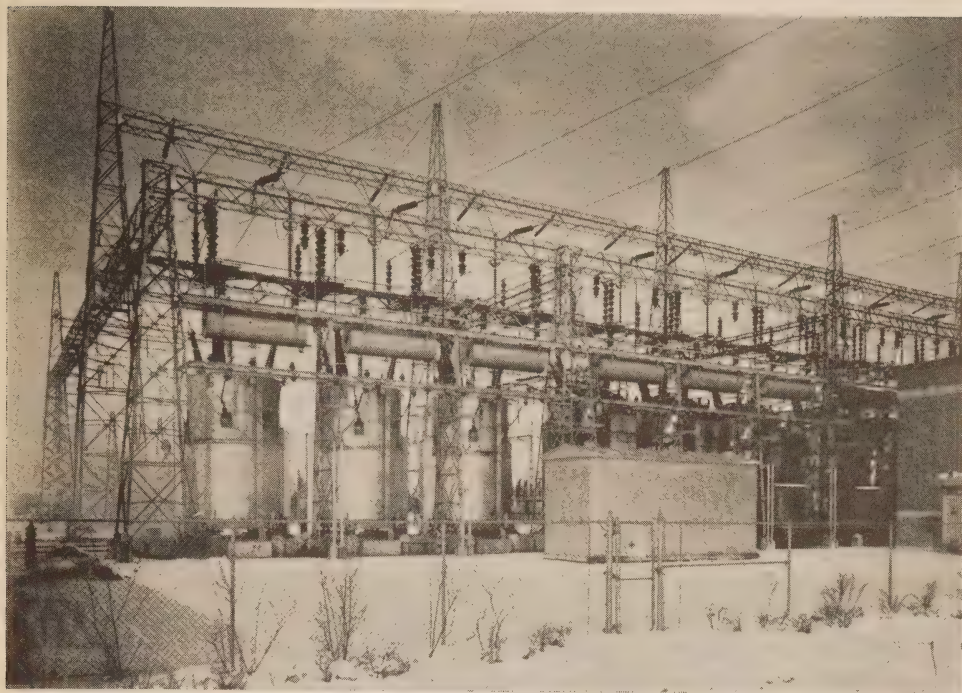
NIAGARA SYSTEM

Niagara District—A transformer station is being installed on the property of the Ontario Paper Company to supply power for the industrial load of this company, Beaverwood Fibre Company and the customers on the 12,000-volt feeders to Port Robinson. A bank of three new 22,500-kv-a transformers with spare unit, metal-clad low-voltage equipment and 110,000-volt switching equipment, were purchased and construction work is under way. The station will be in service later in the year.

Distributing stations known as Fonthill, Virgil and Pelham Road, were installed for the supply of power to Fonthill and portions of the Welland, Niagara and Grantham rural power districts. A bank of three new 150-kv-a transformers was purchased for Fonthill, a three-phase, 300-kv-a transformer was purchased for Virgil and a bank of three 75-kv-a units was obtained from system reserve for Pelham Road. The three stations are now in service.

Hamilton and Dundas District—At Dundas transformer station the installation of two 4,000-kv-a auto-transformers referred to in last year's report was completed and placed in service. The distributing stations on the Caledonia and Hagersville circuits were changed at the same time to operate at 26,400 volts.

Aldershot and Burlington Beach distributing stations were installed and placed in service for the supply of power to Waterdown rural power district and Burlington Beach respectively. A bank of three new 150-kv-a transformers was purchased for use at the former station and three 150-kv-a transformers released from Tillsonburg rural station were used at the latter station.



LEASIDE TRANSFORMER STATION

General view showing three 25,000 kv-a 220,000/110,000/13,200-volt transformers in Bank No. 8

The capacity of Ryckman distributing station was increased with the installation of a bank of three new 150-kv-a transformers, replacing the original bank of three 75-kv-a units.

A 350-kv-a voltage-booster was placed in service in the 4,000-volt circuit to Jarvis.

The capacity of Bronte distributing station was increased when an additional bank of three 50-kv-a transformers was installed and placed in service on March 26, 1939. The transformers had been released from Smithville distributing station. Homer distributing station was dismantled and the two 250-kv-a transformers transferred to system reserve.

Toronto and York District—The work under way at Toronto-Leaside transformer station, reported in last year's Annual Report, was completed and the equipment was placed in service on November 27, 1938.

The installation of an additional bank of three 10,000-kv-a transformers at Toronto-Bridgman transformer station was authorized. Two new transformers were purchased and will be used with the spare unit to complete a 30,000-kv-a bank and replace an existing bank of 15,000-kv-a capacity.

Authorization was given for the installation of a 110,000-volt transformer station for the supply of power to the suburban area north of Toronto. The station will be situated immediately north of the city between Dufferin and Bathurst streets and will be known as Toronto-Fairbank transformer station.

Two new 25,000-kv-a, three-phase, forced-air-cooled transformers and two 138,000-volt oil circuit-breakers have been purchased for the installation which will be completed and placed in service in the spring of 1940.

A distributing station was installed at Malton for the supply of power to Woodbridge rural power district and the air-port. A bank of three new 150-kv-a transformers was purchased and the station completed and placed in service January 15, 1939.

At Long Branch distributing station the bank of three 250-kv-a transformers was replaced with a bank of three 500-kv-a units in order to provide additional capacity for the increasing power demand.

The capacity of Port Credit distributing station was increased with the installation of a bank of three new 500-kv-a transformers outdoors to replace the original indoor bank of three 75-kv-a transformers and the 300 kv-a, three-phase unit.

A 300-kv-a voltage regulator was installed near Milton to regulate the voltage of the 4,000-volt circuit to Campbellville.

Authorization was given for the installation of five 1,500-kv-a unit-type stations: Kingsway in Etobicoke township, Glencairn in North York township, No. 1 and No. 2 in East York township and Fallingbrook in Scarboro township. Three 3,000-kv-a unit type stations were authorized for York township. All these stations are being made suitable for receiving power at 26,400 volts when it is available. The necessary equipment was ordered but the construction of the stations will not be completed until early in 1940.

London District—The installation of two auto-transformers at London transformer station, reported in last year's Annual Report was completed and the equipment placed in service on April 16, 1939 and the distributing stations on the Dashwood and Strathroy circuits were changed at the same time for operation at 26,400 volts.

The original bank of three 75-kv-a transformers at Thamesford distributing station was replaced by a bank of three new 150-kv-a transformers to provide additional capacity for the station.

Preston District—Galt distributing station was installed north of the city of Galt to supply power to Galt rural power district. A bank of three new 150-kv-a transformers was purchased and the station completed and placed in service on April 3, 1939.

Kitchener District—Wellesley distributing station was installed for the supply of power to the village of Wellesley and the rural power districts of Baden, St. Jacob's and Tavistock. A 300-kv-a three-phase transformer obtained from system reserve was used for the installation and the station was placed in service on February 19, 1939.

The capacity of Mannheim distributing station was increased with the installation of a bank of three 75-kv-a transformers, duplicates of the existing transformers.

Stratford District—Clinton distributing station was installed for the supply of power to Clinton rural power district at 8,000 volts from the 26,400-volt circuits. A bank of three new 150-kv-a transformers was purchased for the installation and the station was completed and placed in service on July 23, 1939. The original rural station which previously supplied power for this load from the 4,000-volt bus in the municipal station was dismantled.

Woodstock District—At Woodstock transformer station two 110,000-volt circuit-breakers were replaced with motor-operated air-break disconnecting switches. The replaced oil circuit-breakers were transferred for use at Hamilton Beach transformer station.

The capacity of both Woodstock rural station and Norwich distributing station was increased with the installation in each case of a bank of three new 500-kv-a transformers replacing 250-kv-a units. The replaced transformers were installed at other stations.

The capacity of Tillsonburg rural station was increased with the installation of a bank of three new 250-kv-a transformers, replacing three 150-kv-a units, which were transferred into system reserve.

St. Thomas District—The capacity of St. Thomas transformer station is being increased and new low-voltage switching equipment and control room is being installed. A bank of three 2,500-kv-a transformers was obtained from system reserve to replace the existing bank of 1,250-kv-a units. New 13,200-volt, metal-clad switching equipment was purchased and installed outdoors east of the building. The switching equipment was placed in service in October 1939 but the remainder of the work will not be completed until early in the new year.

A new distributing station was installed to supply 4,000-volt power to the new Provincial Hospital at St. Thomas and a portion of the rural district. A bank of three new 250-kv-a transformers was purchased for the installation which was placed in service on January 23, 1939.

St. Thomas rural station was dismantled and a new station installed on the same site suitable for parallel operation with the St. Thomas Provincial Hospital distributing station for the supply of power to a portion of the St. Thomas rural district and be available as a duplicate power source for the new Provincial Hospital. A bank of three 250-kv-a transformers released from Norwich distributing station was used for this new installation and the three-phase 750-kv-a unit removed from the dismantled station was transferred to system reserve.

Brant District—Authorization was given for the installation of a transformer station near the town of Simcoe to supply 26,400-volt power to municipalities at present supplied from Brant transformer station but situated south of it. This new station will be known as Norfolk transformer station and will be supplied from the 110,000-volt circuit direct to St. Thomas. It will be equipped with a 6,000-kv-a, three-phase, self-cooled transformer with under-load voltage-control. The transformer and all other necessary equipment were purchased and the station will be placed in service early in 1940.

A distributing station was installed near Cainsville to supply power to a section of Brant rural power district. A bank of three 150-kv-a transformers

was purchased for this installation and the station was placed in service on June 6, 1939.

The capacity of Port Dover distributing station was increased with the installation of an additional 300-kv-a, three-phase transformer released from Port Credit distributing station.

Kent District—Engineering assistance was given Chatham Public Utilities Commission in the purchase and installation of a 3,000-kv-a transformer and necessary switching equipment in the Chatham municipal station No. 2.

St. Clair District—The capacity of Forest distributing station was increased with the installation of a bank of three 37½-kv-a transformers in parallel with the existing bank of three 75-kv-a transformers.

GEORGIAN BAY SYSTEM

The necessary equipment was installed at Waubauskene auto-transformer station to enable the 38,000-volt circuits from Eugenia generating station to be synchronized with the rest of the system at this station.

Severn District—Penetang distributing station No. 2 was installed to supply power to Midland rural power district from the 22,000-volt circuits. A bank of three new 250-kv-a transformers and necessary switching and protective equipment were purchased and the station was placed in service on July 14, 1939. Penetang rural station was dismantled after the load was transferred to the new station. The released transformers were placed in system reserve.

A 50-kv-a, 2,400/4,800-volt transformer was installed at the Department of National Defence station at Camp Borden to supply power to the Angus feeder of the Alliston rural power district.

Fergusonvale distributing station was dismantled and the two 50-kv-a transformers were transferred to system reserve.

Eugenia District—The temporary installation at Kilsyth distributing station reported in last year's Annual Report was replaced with a new station on the same site, using the same transformer but improved metering and switching equipment.

The bank of three 50-kv-a transformers at Dundalk distributing station was replaced with a bank of three 75-kv-a units obtained from Ragged Rapids generating station. The replaced transformers were transferred to system reserve.

At Meaford distributing station three 15-kv-a transformers were installed as a booster bank to improve the distribution voltage.

Wasdell District—The capacity of Uxbridge distributing station was increased with the installation of a bank of three 150-kv-a transformers replacing a 300-kv-a, three-phase unit which was transferred to system reserve. The metering and switching equipment was replaced with more suitable equipment.

Muskoka District—The circuit from South Falls generating station to Huntsville was equipped for operation at 38,000 volts and the bank of three 400-kv-a transformers in the generating station which previously supplied 22,000-volt power to this circuit was removed and transferred into system reserve. The 22,000-volt switching, metering, and protective equipments were also replaced with 38,000-volt equipments. Huntsville distributing station was rebuilt for operation at 38,000 volts and the capacity was increased. The original bank of three 300-kv-a transformers and the 22,000-volt switching equipment were replaced with a bank of three new 500-kv-a transformers and the necessary 38,000-volt switching equipment. Huntsville rural station was dismantled and the bank of three 75-kv-a transformers was re-installed inside the building at Huntsville distributing station. The capacity was increased with the installation of a bank of three 50-kv-a transformers in parallel with the existing bank. The original Beaumaris distributing station was dismantled and a new station was installed on a more suitable site. The bank of three 150-kv-a transformers was replaced with a bank of three new 250-kv-a transformers and changes made for operation of the station at 38,000 volts. All these alterations were completed and the voltage change-over effected on May 28, 1939.

The distribution voltage at Gravenhurst was changed from two-phase to three-phase on November 6, 1938. A 400-kv-a transformer was obtained from system reserve and used with the two existing transformers to complete a three-phase bank.

EASTERN ONTARIO SYSTEM

Transformer and Distributing Stations

Central Ontario District—The necessary switching equipment was installed at Sidney transformer station for the control of a 44,000-volt circuit supplying power to Prince Edward county. Previously this circuit was connected directly to a trunk circuit.

The transformer capacity at Lindsay, Millbrook, Madoc and Marmora distributing stations and Colborne rural station was increased. A 750-kv-a, three-phase transformer released from Kingston distributing station was installed at Lindsay. A new 100-kv-a, single-phase transformer was purchased and installed at Millbrook in parallel with an existing unit of similar capacity to supply power to Millbrook rural power district. Two new 50-kv-a, single-phase transformers were purchased and installed at Madoc distributing station to supply 8,000-volt power to Madoc rural power district. A new 100-kv-a, single-phase transformer was purchased and installed at Marmora distributing station with the original two 50-kv-a units to complete a three-phase bank. A new 50-kv-a transformer similar to the two original units was purchased and installed at Colborne rural station.

The distributing station Consecon which supplied single-phase power to Wellington rural power district was replaced with a new distributing station and two new 100-kv-a transformers were purchased and installed with a similar transformer obtained from the original station for the supply of three-phase power to the same load.

Metering equipment was installed on the premises of the Bata Shoe Company at Frankford to measure the power being supplied to the company at 6,600 volts.

The power being supplied to Lakefield rural power district has been changed from 6,600 volts to 11,000 volts and metering equipment has been installed at a new location to accommodate the change in voltage.

The new municipal station installed by Kingston Public Utilities Commission replaced the distributing station for the distribution of power throughout the city. Some of the original equipment was used in the new station and the remainder was transferred to system reserve or for use at other stations on the system.

St. Lawrence District—The work underway for the Public Utilities Commission at Brockville and reported in last year's Annual Report was completed and placed in service.

The capacities of Brockville and Martintown distributing stations were increased. A 1,500-kv-a, three-phase transformer released from Kingston distributing station was installed at Brockville in parallel with the two existing units and the 2,400-volt circuits from all three transformers were connected to the Public Utilities Commission's new metal-clad switchgear. A 150-kv-a, three-phase transformer at Martintown distributing station was replaced with a bank of three new 100-kv-a transformers. The replaced unit was transferred to system reserve.

A bank of three new 250-kv-a transformers was installed at Chesterville distributing station to supply power to Chesterville rural power district and relieve this load from the other transformers.

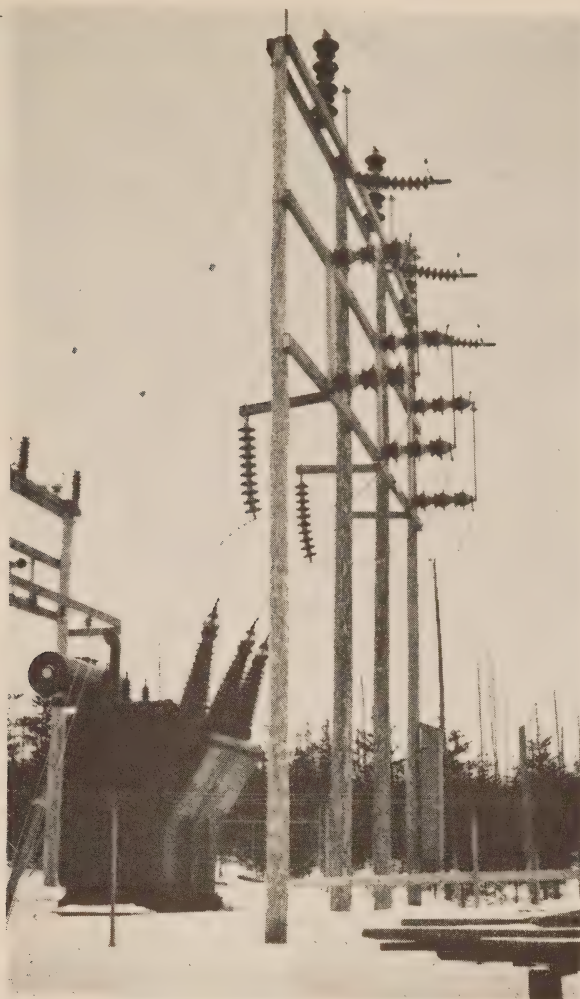
Rideau District—Forced air cooling was added to the 750-kv-a transformers at Smiths Falls distributing station to enable the existing transformers to carry the station load without the use of water for cooling and avoid the hazard of freezing in this unattended station.

THUNDER BAY SYSTEM

The new buildings which were reported in last year's Annual Report as under construction at Cameron Falls and along the right-of-way to Longlac transformer station were completed during the year.

The capacity of Geraldton distributing station was increased with the installation of a bank of three new 250-kv-a transformers to replace the original bank of three 150-kv-a units. The replaced units were installed in Rosslyn distributing station which is a new installation for the supply of power to a portion of the Thunder Bay rural power district.

Port Arthur rural station was replaced by a new station near Port Arthur transformer station to supply single-phase power to the summer-resort district east of the city. The original station was dismantled and the 75-kv-a transformer placed in system reserve. A new 150-kv-a, single-phase unit was purchased for the new installation.



TRANSFORMER STATION AT SHININGTREE

NORTHERN ONTARIO PROPERTIES

Nipissing District—At Nipissing generating station the 22,000-volt oil circuit-breaker and a number of the disconnecting-switches were replaced by more modern equipment.

North Bay distributing station No. 3 was installed to supply power to North Bay pumping plant. A bank of three new 150-kv-a transformers was purchased for the installation.

Sudbury District—The construction of the operators' houses reported in last year's Annual Report was completed during the year.

Garson distributing station was installed on the International Nickel Company's property to supply 4,000-volt power to the hamlet of Garson. A bank of three 50-kv-a transformers obtained from system reserve was used for this installation.

Abitibi District—The buildings under construction and improvements being carried out at Abitibi Canyon and reported in last year's Annual Report were completed during the year.

The additional bank of transformers and voltage-regulating equipment which was being installed at Kirkland Lake transformer station and reported in last year's Annual Report was completed and placed in service during the year.

The temporary transformer station installed at Bourkes in 1938 and referred to in last year's Annual Report was dismantled.

A transformer station was installed at Shining Tree about 70 miles north of Sudbury for the supply of power to Ronda Gold Mines Limited. The 1,000-kv-a, three-phase transformer released from Bourkes transformer station was used for this installation which was placed in service on December 20, 1938.

A new transformer station and 138,000-volt switching station is being installed at Timmins to replace the existing transformer station and provide for additional capacity. The new station will consist of a bank of three new 5,000-kv-a transformers and spare unit, five 138,000-volt oil circuit-breakers and switching equipment for the 26,400-volt feeders. The existing two banks of 1,500-kv-a transformers will be used at other stations on the system. The new station will be placed in service early in 1940.

The capacity of Hislop distributing station was increased with the installation of an additional 25-kv-a transformer similar to the original unit.

A substation was constructed for the De Santis Porcupine Mines Limited.

Metering stations were installed to measure the power supply to North Whitney Mines Limited, McIntyre Porcupine Mines Limited, Lake Shore Mines Limited, Faymar Porcupine Gold Mines Limited, Tyrante Mines Limited and De Santis Porcupine Mines Limited.

The capacity of the metering equipment was increased for Hollinger Consolidated Gold Mines Limited (Hislop property), Hoyle Gold Mines Limited, Chesterville-Larder Lake Gold Mines Limited and Delnite Mines Limited.

Patricia-St. Joseph District—Ear Falls generating station is being extended and an additional generating unit is being installed to provide capacity for the increasing power demand in the district. A 6,000-kv-a, 60-cycle, 6,600-volt, 150 r.p.m. vertical shaft generator, a bank of three 2,000-kv-a transformers, and necessary switching equipment were purchased and are being installed. The new unit will be placed in service early in 1940 and the rated generator capacity of the station will be increased to 15,500-kv-a. Additional switching equipment is being installed for the control of 44,000-volt circuit to Sioux Lookout.

Metering equipment was installed at the Cochenour-Williams Gold Mines Limited substation to measure the power supplied to this company and to Margaret Red Lake Gold Mines.

Crow River transformer station was installed near Central Patricia Gold Mines to step-up the transmission voltage for parallel operation with Patricia district and enable power to be supplied from Ear Falls generating station to St. Joseph district. A bank of three 1,250-kv-a transformers, a spare unit and all the necessary switching equipment were purchased and installed and the



DISTRIBUTING STATION AT HUDSON

station was placed in service on September 4, 1939. The transformers are at present arranged for a step-up of voltage from 23,000 to 44,000 but provision has been made for readily reconnecting the windings to permit a step-up of voltage from 23,000 to 66,000 whenever a corresponding change is made in the transmission voltage from the Patricia district.

Uchi switching station was installed on Uchi Gold Mines Limited property to enable power to be supplied to the mining company from the transmission circuit connecting the Patricia and St. Joseph districts. The station was arranged for 44,000-volt operation and placed in service on October 17, 1939 but can readily be changed for operation at 66,000 volts when the transmission voltage is raised. An operator's house was also built.

Six patrolmen's houses were constructed along the right-of-way from Crow River transformer station to Uchi switching station for the accommodation of the men patrolling the transmission line.

A distributing station was installed at Sioux Lookout and at Hudson for the supply of power to these two load centres over a 44,000-volt circuit from Ear Falls generating station. A bank of three new 150-kv-a transformers

was purchased for the former installation which was placed in service on August 30, 1939. Two new 100-kv-a transformers were purchased and connected in open-delta for the installation at Hudson which was placed in service on September 16, 1939.

TRANSMISSION SYSTEMS

Increased demands and new loads have necessitated many changes and additions to the Commission's transmission systems during 1939.

At a cost of approximately \$1,893,000 a total of 337.69 miles of transmission lines was placed in service, as indicated in the following tabulation; of the total, 13 miles were acquired by purchase, being 44,000-volt lines in Patricia district.

MILEAGE OF TRANSMISSION LINES PLACED IN SERVICE
YEAR ENDED OCTOBER 31, 1939

	Niagara system	Georgian Bay system	Eastern Ontario system	Thunder Bay system	Northern Ontario Properties	Totals
	miles	miles	miles	miles	miles	miles
110,000-volt lines.....	0.68	.....	.....	.....	.....	0.68
33,000-volt to						
44,000-volt lines.....	.....	.....	4.76	.....	260.40	265.16
11,000-volt to						
26,400-volt lines.....	19.92	.....	.....	6.15	45.78	71.85
Totals.....	20.60	.....	4.76	6.15	306.18	337.69

In addition, revisions and improvements were made in all systems where required.

Maps showing the transmission lines and stations of the Commission will be found at the back of this Report. A summary tabulation respecting transmission lines is given near the end of this section.

The following synopsis shows, by systems, the work completed during the year.

NIAGARA SYSTEM

High-Voltage Lines

The 110,000-volt connections to Preston transformer station were revised to conform with changes within the station.

A new 110,000-volt, single-circuit transmission line on steel towers, approximately $\frac{3}{4}$ -mile in length, was constructed from Holland road junction to a new station at the Ontario Paper Company.

A grounding system was installed at Queenston generating station to connect the outgoing 110,000-volt line towers to the ground bus in the screen house.

A portion of the 110,000-volt, steel-tower line between York transformer station and Toronto Strachan transformer station, 1.05 miles in length, was relocated in the section between the Humber river and Salisbury avenue, in order to clear the new construction work of the Department of Highways in that vicinity. For the same reason, one tower in one of the 110,000-volt circuits out of Queenston generating station was relocated.

Low-Voltage Lines

Niagara District—A single-circuit, 12,000-volt transmission line, 2.5 miles in length, was constructed from a tap on the line between St. Davids and Niagara-on-the-Lake to a new distributing station in the village of Virgil.

Dundas District—A single-circuit, 13,200-volt transmission line, 0.9 mile in length, was constructed from a tap on the line near Waterdown to a new distributing station at Aldershot.

Also the line south from Dundas transformer station to Hagersville distributing station, including the taps to Ryckman, Caledonia, and Decewsville distributing stations, a total length of 33.44 miles, was raised from 13,200 volts to 26,400 volts.

Toronto District—A single-circuit, 13,200/26,400-volt transmission line, 1.08 miles in length, was constructed from Forest Hill municipal station to Glencairn distributing station.

London District—One circuit of the transmission line between London transformer station and Broughdale distributing station and the extension to Ilderton, Ailsa Craig, Lucan, Exeter, and Dashwood distributing stations, a total distance of 43.32 miles, was raised from 13,200 volts to 26,400 volts.

The line between London and Strathroy, including the taps to Glendale and Delaware distributing stations, a distance of 27.10 miles, was also raised from 13,200 volts to 26,400 volts.

Preston District—The necessary switches and taps from existing lines to the new rural station on Wauchope avenue, Galt, 0.1 mile in length, were constructed to serve the Galt rural district.

Kitchener District—The former 4,000-volt rural line from Baden to Wellesley was rebuilt to carry a new 13,200-volt circuit from the point where it crosses the Commission's line between Baden and New Hamburg to Wellesley distributing station, a distance of 6.17 miles.

Brant District—A single-circuit, 26,400-volt transmission line, 1.3 miles in length, was built between the Lake Erie and Northern Railway substation, Brantford, and the Brantford municipal station No. 1, replacing the double-circuit section of 3/0 aluminum with one circuit of 336,400-cir.mil aluminum conductor.

Also a single-circuit, 26,400-volt transmission line, 4.3 miles in length, was established from Brantford municipal station No. 1 to a new distributing station at Cainsville by reconstructing a portion of the old Dominion Power and Transmission 44,000-volt line.

Essex District—A portion of 26,400-volt transmission line, 1.1 miles in length, which formerly served the hydro-electric station at Petrimoux, was dismantled.

The 26,400-volt, single-circuit transmission line between Kingsville junction and Kingsville distributing station, 0.8 mile in length, was rebuilt as a double-circuit line.

Also a portion of the 26,400-volt transmission line, 1.93 miles in length, between Kingsville junction and Leamington, was dismantled, and a new portion, 1.61 miles in length, was constructed.

Thorold District—A short tap, 0.18 mile in length, of 12,000-volt transmission line, was built and connected into the new Pelham Road distributing station, to serve the Pelham district.

Dominion Power Division—The 44,000-volt transmission line, No. 7, between Bartonville switching station and Cockshutt station, has, for the most part been dismantled. A portion east of Cockshutt station in Brantford, 4.30 miles in length, was left, and is incorporated in a new section between Brantford municipal station No. 1 and a new distributing station at Cainsville. Also a portion south and west from Bartonville switching station has been left up for service to a proposed distributing station to be erected near King street, Hamilton.

A short portion of the 10,000-volt, single-circuit transmission line, 0.3 miles in length, between Longwood switching station and the Canada Crushed Stone company, was re-routed to occupy the south side of Westwood avenue between Stroud road and Clines lane in Hamilton.

GEORGIAN BAY SYSTEM

Wasdell District—From Kirkfield junction to Kirkfield distributing station, 11.34 miles, the 9/32-inch steel sky wire was removed and a metal pole top pin was installed.

Muskoka District—From South Falls generating station to Huntsville, 26.31 miles, the $\frac{1}{4}$ -inch steel sky wire was removed, a metal pole top pin was installed, and the 22,000-volt insulators were replaced with 38,000-volt units.

EASTERN ONTARIO SYSTEM

High-Voltage Lines

Between Ottawa junction and Cornwall transformer station, 54.82 miles, steel extensions were added to transmission line towers to raise the sky wire, and the telephone attachments to towers were removed.

Central District—A new 44,000-volt, single-circuit, wood-pole transmission line, 4.7 miles long, was constructed from Sidney transformer station at Trenton to Picton junction.

The 44,000-volt tap line to Millbrook distributing station was connected for three-phase operation.

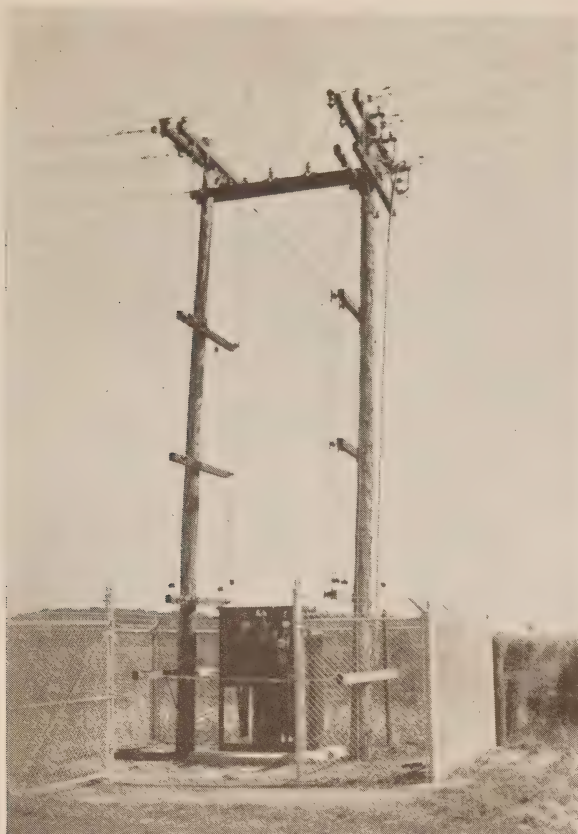
Rideau District—From Smith's Falls distributing station to Rideau junction, 1.92 miles, the 5/16-inch steel conductor was replaced with 1/0 aluminum cable steel-reinforced.

St. Lawrence District—A new 44,000-volt, single-circuit, wood-pole transmission line, 2.67 miles long, was constructed from Cornwall transformer station to Howard Smith Paper Mills.

Madawaska District—The 33,000-volt line entrance to Arnprior distributing station was rebuilt.

THUNDER BAY SYSTEM

A new 22,000-volt, single-circuit transmission line, 6.15 miles long, was constructed to Rosslyn distributing station.



DISTRIBUTION IN RURAL POWER DISTRICTS
Three-phase, 4,000-volt, automatic voltage regulator
installed on concrete pad east of Blyth. Walton rural
power district

Construction of the highway between Nipigon and Little Long Lac necessitated moving transmission lines at several points to clear the roadway.

NORTHERN ONTARIO PROPERTIES

Nipissing District—A new 22,000-volt, single-circuit, wood-pole transmission line, three miles in length, was built to the North Bay waterworks.

Sudbury District—Insulation on the wood-pole transmission line between Crystal Falls and Coniston generating stations was increased for 110,000-volt operation.

Abitibi District—In the Porcupine area, five 26,400-volt, single-circuit, wood-pole transmission lines, totalling approximately 10 miles in length, were constructed to mining customers.

In the Larder Lake area, $\frac{1}{4}$ -mile of 26,400-volt, single-circuit, wood-pole transmission line was built to Kearns townsite.

In the West Shiningtree area, two 26,400-volt, single-circuit, wood-pole transmission lines, totalling 28 miles in length, were constructed to serve mining customers.

Patricia-St. Joseph District—A single-circuit, 44,000-volt, wood-pole transmission line, 161.7 miles long and insulated for future operation at 66,000 volts, was constructed from Ear Falls generating station to Uchi Gold Mines Limited and on to Crow River transformer station.

A single-circuit, 44,000-volt wood-pole transmission line, 85.5 miles long, was constructed from Ear Falls generating station to Sioux Lookout.

Privately-owned, 44,000-volt lines to five mining customers at Red Lake, totalling 13 miles in length, were purchased and incorporated into the transmission lines of the district.

Approximately five miles of new 22,000-volt, wood-pole transmission line was built from Crow River transformer station to provide double line service to mining customers.

TELEPHONE LINES—ALL SYSTEMS

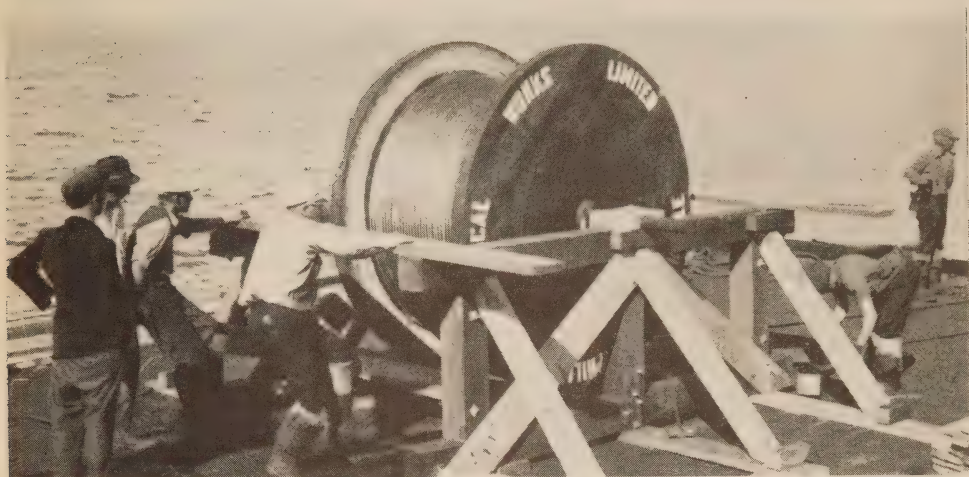
In the Niagara system, a portion of the Dundas to Brant telephone line, 8.06 miles; portions of the St. Mary's to London line, 8 miles; and portions of the Brant to Woodstock line, 6.65 miles in length, were rebuilt. Between Allanburg and Dundas transformer station, 5.2 miles of four circuits of the "A" line, and 5.2 miles of single-circuit of the "AA" line were removed. These portions were replaced by a new portion, 5.7 miles in length, of four circuits, constructed on new poles located to the south of the former "A" line. Also, a portion of the Kent to Essex telephone line, including a tap to Tilbury, 8.5 miles in length, was rebuilt. A portion of the telephone line between York transformer station and Toronto Strachan transformer station, approximately 1.6 miles, was relocated due to highway diversions. A $\frac{1}{4}$ -mile extension of the telephone service between the rural and municipal offices in the town of Harrow was installed. In the Toronto district, 4.55 miles of telephone cables were replaced. Loading coils were installed between Toronto Strachan transformer station and the administration building, and between the administration building and Toronto Bridgman transformer station.

In the Georgian Bay system, an additional telephone circuit was erected between Fergusonvale junction and Bradford junction, and the existing No. 9 iron circuit was retransposed.

In the Eastern Ontario system, 58.79 miles of No. 9 iron telephone conductor were replaced with No. 6 aluminum cable steel-reinforced between Brockville junction and Cornwall distributing station.

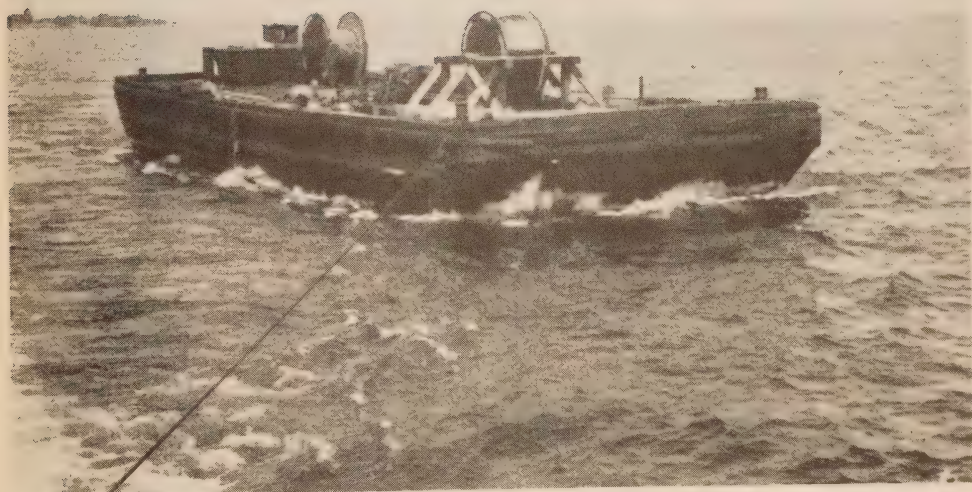
In the Thunder Bay system, new telephone equipment was installed to provide improved facilities for the district patrolmen, and 7 miles of telephone circuit was erected between Geraldton distributing station and Bankfield junction on existing 44,000-volt transmission line poles.

In northern Ontario, a radio link was established between Frederickhouse Dam and Timmins. At Coniston, 1.48 miles of single-circuit telephone line was constructed to provide communication between the generating station and the Bell Telephone company connection at Coniston.



DISTRIBUTION IN RURAL POWER DISTRICTS

Installing submarine cable to Wolfe Island in Kingston rural power district



DISTRIBUTION IN RURAL POWER DISTRICTS

Installing submarine cable to Wolfe Island in Kingston rural power district

TOTAL MILEAGE OF TRANSMISSION LINES AND CIRCUITS

System and voltage	Kind of structures	Line route or structure miles			Circuit miles
		Total to Oct. 31, 1938	Additions 1939	Total to Oct. 31, 1939	Total to Oct. 31, 1939
Niagara System					
220,000-volt	steel	705.27	.....	705.27	705.27
110,000-volt	"	716.11	7.42	723.53	1,391.74
110,000-volt	wood	67.16	.....	67.16	67.16
90,000-volt	steel	65.85	.....	65.85	117.60
60,000-volt	"	78.75	.....	78.75	59.38
60,000-volt	wood	9.20	.....	9.20	9.20
46,000-volt	steel	32.42	.....	32.42	65.64
46,000-volt	wood	23.73	.....	23.73	23.73
26,400-volt	"	614.88	114.44	729.32	875.53
13,200-volt	"	461.51	*105.50	356.01	427.67
13,200-volt	steel	1.17	.....	1.17	2.34
12,000-volt	wood	111.26	3.66	114.92	164.62
Dominion Power division—44,000-volt . .	steel	34.76	.....	34.76	72.07
Dominion Power division—44,000-volt . .	wood	145.22	*26.85	118.37	114.75
Dominion Power division—22,000-volt . .	"	28.69	.....	28.69	38.21
Dominion Power division—10,000-volt . .	"	14.52	*0.06	14.46	14.46
Georgian Bay System					
110,000-volt	wood	55.83	.....	55.83	55.83
38,000-volt	"	146.92	*0.03	146.89	147.32
6,600-volt	"	2.30	.....	2.30	2.30
Seyern district—22,000-volt	"	148.61	.....	148.61	219.54
Eugenia district—26,400-volt and less . .	"	281.73	.....	281.73	364.48
Wasdell district—22,000-volt	"	83.43	.....	83.43	87.37
Muskoka district—38,000-volt	"	26.31	.....	26.31	26.31
Eastern Ontario System					
110,000-volt	steel	107.08	.....	107.08	110.39
110,000-volt	wood	163.44	.....	163.44	163.44
44,000-volt	"	24.33	.....	24.33	24.33
33,000-volt	"	42.26	.....	42.26	47.94
Central district—44,000-volt and less . .	"	531.99	0.89	532.88	584.11
St. Lawrence district—44,000-volt	"	125.63	.....	125.63	126.01
Rideau district—26,400-volt	"	62.63	.....	62.63	62.63
Madawaska district—33,000-volt and less	"	58.81	.....	58.81	58.81
Thunder Bay System					
110,000-volt	steel	82.12	.....	82.12	164.28
110,000-volt	wood	178.21	.....	178.21	178.21
44,000-volt	"	116.42	0.34	116.76	116.76
22,000-volt	"	0.35	7.52	7.87	7.87
12,000-volt	"	1.45	.....	1.45	1.45
Northern Ontario Properties					
Nipissing district—22,000-volt	wood	59.40	2.99	62.39	78.91
Sudbury district—22,000-volt	"	107.31	*1.22	106.09	106.09
Abitibi district—132,000-volt	steel	362.74	.....	362.74	725.48
132,000-volt	wood	190.19	.....	190.19	190.19
33,000-volt and less	"	60.68	44.72	105.40	106.09
Patricia-St. Joseph district—44,000-volt .	"	40.56	260.40	300.96	300.96
22,000-volt	"	28.14	4.87	33.01	33.18
Total . . . . .	.....	6,199.37	†313.59	6,512.96	8,239.65

*Removals.

†Net increase.

DISTRIBUTION LINES AND SYSTEMS IN RURAL POWER DISTRICTS

The following tabulation shows the mileage of distribution lines constructed by the Commission in rural power districts, and the number of consumers served.

The summary indicates a total construction during the year of 2,670 miles of new line completed, and giving service to 14,111 additional consumers.

At the end of 1939 there were 111,520 rural consumers receiving service and 17,706 miles of primary line had been constructed with a capital investment approximating \$33,000,000.

SUMMARY OF CONSTRUCTION IN RURAL POWER DISTRICTS

System and district	At October 31, 1938		At October 31, 1939					
	Miles of primary line constructed	Number of consumers receiving service	Miles of primary line			Number of consumers		
			Constructed	Under construction or authorized	Total	Receiving service	Authorized	Total
NIAGARA SYSTEM	9,671.10	64,447	10,801.73	162.74	10,964.47	70,886	514	71,400
GEORGIAN BAY SYSTEM								
Seyn district	666.07	5,362	789.45	15.07	804.52	6,193	63	6,256
Eugenia district	584.56	2,579	839.80	68.91	908.71	3,394	250	3,644
Waddell district	354.31	2,446	392.33	20.85	413.18	2,681	67	2,748
Muskoka district	251.56	1,483	313.81	10.87	324.68	1,805	31	1,836
Bala district	64.15	437	71.11	21	71.32	507	1	508
System R.P.D.'s	115.38	590	167.30	.10	167.40	814	11	825
EASTERN ONTARIO SYSTEM								
Central district	1,957.37	11,884	2,421.45	66.77	2,488.22	13,829	283	14,112
St. Lawrence district	689.75	3,876	925.21	73.09	998.30	4,771	214	4,985
Rideau district	178.28	1,021	261.49	.80	262.29	1,300	41	1,341
Madawaska district	51.75	331	136.07	3.79	139.86	1,029	10	1,039
Ottawa district	235.15	1,545	245.64	7.53	253.17	1,647	20	1,667
THUNDER BAY SYSTEM	119.04	594	192.50	24.62	217.12	800	91	891
MANITOULIN R.P.D.	67.53	261	96.09	0	96.09	462	0	462
NORTHERN ONTARIO PROPERTIES								
Nipissing district	29.74	554	40.50	4.90	45.40	641	30	671
Sudbury district	0	0	11.77	0	11.77	772	0	772
Totals	15,035.76	97,409	17,706.25	460.25	18,166.50	111,521	1,626	113,157

SECTION VII

TESTING—RESEARCH—INSPECTION

PRODUCTION AND SERVICE

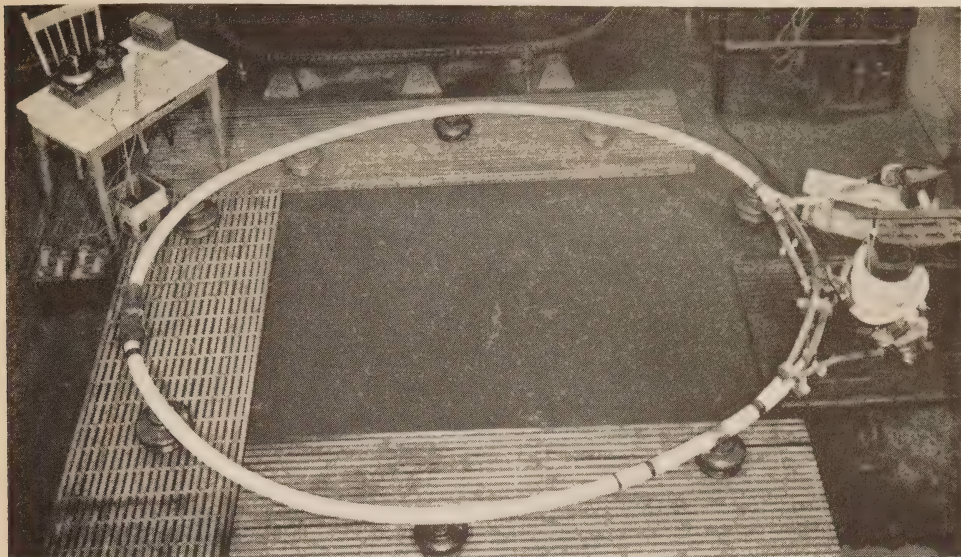
THE work of the Laboratories of the Commission has been described in detail in previous Annual Reports. Its chief branches comprise: testing, inspection and checking material and equipment; research work along practical lines through research sub-committees to develop new ideas, to improve characteristics of materials and equipment and to reduce costs; examination and testing of devices and fittings to ensure public safety, particularly against fire and shock, the issuance of Approval certificates for their sale, and the inspection of electrical installations in industrial, commercial and residential premises. Under the supervision of the head of the department also are operated a photographic and blue-printing department and a production and service department, with machine shop, carpenter shop and garage. The Commission maintains a fleet of more than 300 trucks, chiefly in connection with its operating and rural service divisions. These trucks are regularly and systematically inspected and repaired.

On the following pages are given brief references to the more important items of routine and special research work carried out and a short summary of other work under the care of the Laboratories. It will be appreciated that no adequate report of the work of the Laboratories can be given in the limited space available in the Commission's Annual Report.

TESTING AND RESEARCH LABORATORIES

Routine and General Testing

The Laboratories have carried out an unusually large amount of routine testing and inspection on numerous devices, equipment and materials submitted. This work is done to assist municipal utilities and also to insure the highest quality in material and workmanship in the Commission's purchases.



SKIN EFFECT MEASUREMENTS
Measuring the skin effect factor on large electrical cables

Electrical and mechanical equipment is inspected at the manufacturers' plants to insure that it has the desired characteristics and that materials and fabrication are satisfactory. Other equipment or devices are given routine tests at the Laboratories and these may lead to deeper investigations and studies according to the proportion of rejections necessary.

Materials and Equipment Inspection

Transmission Line Materials

The usual inspection of transmission line materials handled by Strachan Avenue stores was continued. This included clamps of various types, ground rods, insulator pins and brackets, cross arms, general line hardware, wire and cable. The copper wire, steel reinforced aluminum and galvanized steel cable inspected amounted to 2,685 tons, an increase of 22 per cent over last year.

Electrical Equipment

Factory inspection covered one 6,000-kv-a generator, and 139 power transformers of various ratings, having total capacity of 181,970-kv-a. Distribution transformers to the number of 9,090 were inspected, also 10 oil circuit breakers, total capacity 288,900-kv-a, 5,475 disconnecting switches of various types, totalling 1,579,800-kv-a and about 330,000 line and bus insulators. A large amount of metal-clad switchgear equipment was inspected for municipal utilities and for a new pumping plant. Inspection also covered eleven synchronous and induction type pump motors, with total rating of 7,900 horsepower.

In the Laboratories, routine tests were made on 5,280 linemen's rubber gloves, 2,500 samples of insulating oil, more than 2,600 instrument and distribution transformers, 1,400 insulators and about 26,000 fuse links. A total of 5,625 watt-hour meters were repaired and checked, and about 200 indicating instruments were calibrated.

Mechanical Equipment

One 7,500 horsepower Kaplan type adjustable blade hydraulic turbine was inspected at the manufacturer's plant. This is for installation at Ear Falls to drive the 6,000-kv-a generator. In addition, a large number of miscellaneous items of power plant equipment including sluice gates, rack structures and a gantry crane were inspected for the same development. Numerous other items of equipment for use at various plants and stations also were inspected.

Concrete

A resident concrete inspector was stationed at Ear Falls development during construction work. His duties there were the testing of aggregates, supervising manufacturing processes and generally checking the quality of the concrete.

Field inspections of five structures in service were made for the purpose of observing the condition of the concrete and noting the progress and extent of any deterioration.

Paint

A total of 339 samples of paints, together with other protective coatings, were tested for quality. A large number of petroleum products were analyzed and tests were made on metals, alloys, concrete ingredients and miscellaneous organic and inorganic materials for various uses.

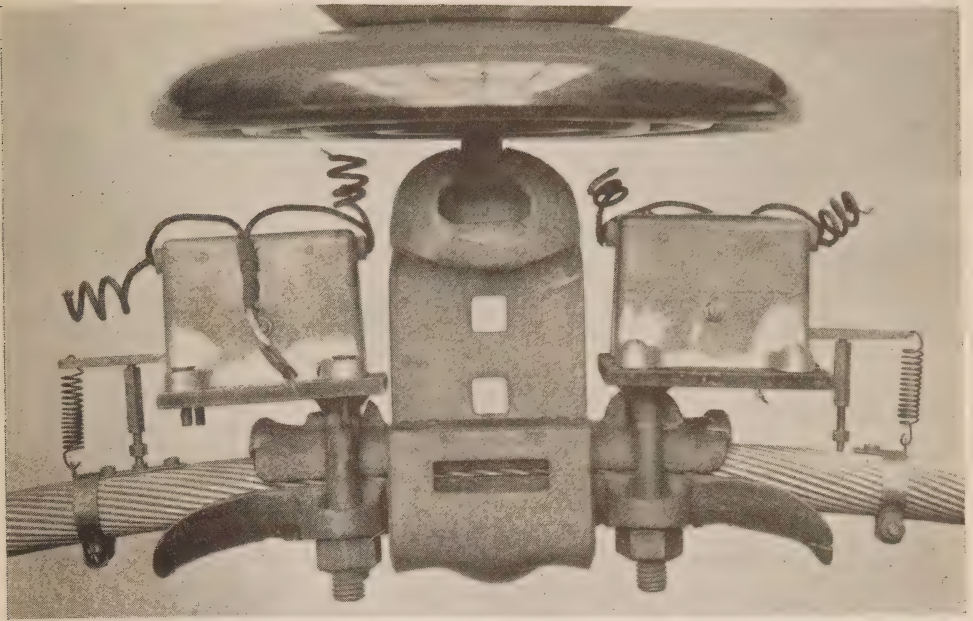
Steel and Timber

A total of 525 tons of steel was inspected, about half of this being reinforcing steel. The number of pine and cedar poles inspected amounted to about 10,000, nearly 20 per cent of which had to be rejected on account of various defects.

Lamps and Lighting Equipment

The number of lamps tested at the factory, 78,700, and the quantity, 3,887, given life tests at the Laboratory, represent increases of twenty per cent over last year. The lamps stamped at the factory reached a total of 740,700. Some special lamps also were tested. About forty candle-power-distribution tests were made and sixteen foot-candle meters were calibrated.

Miscellaneous equipment checked and tested included safety glass, reflex signals and automatic lighting devices. A large number of gloss measurements were made on paints.



VIBRATION INVESTIGATION ON TRANSMISSION LINES

A new magnetic transfer device used with the oscillograph in recording amplitude and frequency of conductor vibrations

Research

Research work is carried on by studies and investigations in both laboratory and field to determine the quality of materials which the Commission proposes to use, to develop new equipment and methods of applying electrical power, and to improve the existing equipment or methods wherever possible.

Vibration of Transmission Line Conductors

The problem of vibration in power line conductors was actively pursued, and substantial progress was made.

In the field studies, new recording equipment, developed by a member of the staff, proved of great value both in rating the performance of vibration dampers and in investigating the intensity of stress at points of conductor attachment. Further studies of the torsional damper were made and conclusive data were obtained showing that these dampers effectively suppress vibration on both short and long span construction.

The investigation of the endurance characteristics of conductor materials was continued, complete information being obtained on the fatigue limits and other physical properties of three grades of galvanized steel ground wire. Tests also were made to determine the effect of low atmospheric temperatures on the impact resistance of these materials. A limited amount of work was done towards investigating the endurance of steel wire in the stranded condition, and comparative tests were made on full size steel-reinforced aluminum cables.

Electrical Insulation

A large number of gradient tests were made on transformer and oil-switch bushings in service; the tests show that about three per cent of these bushings have incipient faults. Their replacement before actual failure occurred probably prevented many service interruptions. Very satisfactory results were obtained in metallizing suspension insulators to prevent radio interference. Pin digestion and the mechanism of cable failure were studied with a certain amount of investigation.

Rural Applications of Electricity

The study and development of a new type of grain grinder were carried on during the year to determine the possibility of adapting this type of grinding to small farm units. This covered investigation of screens, knives, speeds, power requirements and feed methods.

In co-operation with the Ontario Agricultural College at Guelph, electric soil heating was again used to grow an experimental crop of cucumbers. The method was modified so that a smaller number of plants produced a crop equal to that of the previous year. Studies in the application of light to plant growth were continued with typical varieties of plants.

Applications of Electronics

Proposed carrier equipment for communication along the power conductors between Beauharnois and Chats Falls generating stations was studied and field tests were made on the actual power line. The application of protective relaying to this carrier channel has also been investigated and discussed in detail with the Beauharnois Light, Heat and Power Company at several conferences.

Water Treatment

The corrosion in domestic electric hot water tanks is being investigated using a number of tanks of different materials and set up under service conditions in a location where the water is more than usually corrosive. The results obtained up to the present show noticeable variation in the action of the water on the different elements and tank walls. It is expected that this investigation will determine the true cause and other characteristics of the corrosion found in domestic tanks.

Electric Welding

Investigations were made toward standardizing welding materials and the technique used on work for the Commission. The characteristics of weld metal were studied and also the advantages of stress relieving. The welding engineer has instructed manufacturers in proper welding technique in order to insure the highest quality in the equipment.



SPLIT CYLINDER POLE REINFORCING AND TREATING UNIT

Used to strengthen wood poles which have deteriorated at the ground line. Left—pole prepared for treatment. Right—reinforcing completed; specimen under horizontal strain test

Paint

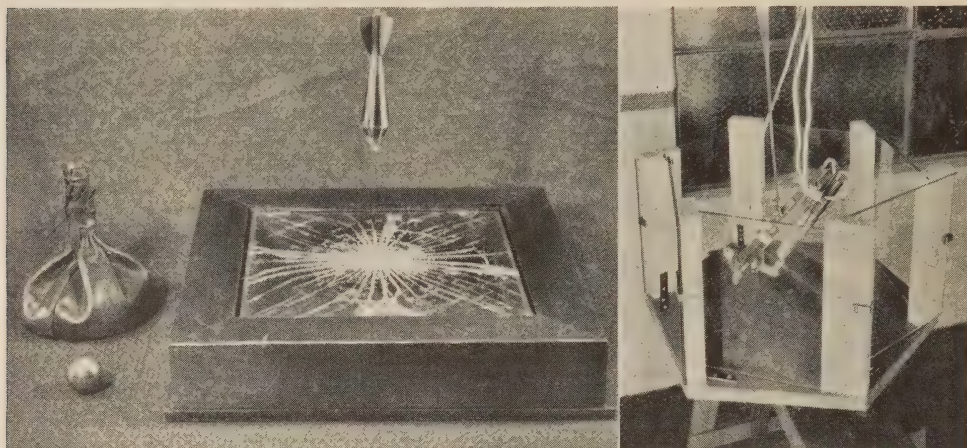
Research studies have included suitable paints for under-water exposure and several different types were tested. Analyses and comparative weathering tests were made on thirteen different brands of house paint, five of which have been in use by the Commission, and others were standard brands on the market or special formulated paints. Several houses were painted for field observation.

A large amount of work was done on a special glazed coating for both interior and exterior finishes on walls and floors and for certain repair work.

Masonry Materials

Attention has been given to problems relating to concrete, brick, and other materials used in masonry construction. A concerted effort was made in both laboratory and field to find methods of producing concrete of more durable quality.

Further investigations on repair methods for concrete were started in order that the Commission's engineers may be reliably informed as to the best method to use for various classes of work. A number of existing concrete structures were examined, including eight structures which are not the property of the Commission.



THE TESTING OF SAFETY GLASS

Left — Impact Tests,—the ball, shot bag and dart are dropped freely from specified heights on the samples set in the frame. A sample, after test, is shown in position.

Right—Discoloration Tests,—samples are submitted to ultra violet rays for given periods. The frame is rotated, and samples cooled by means of a fan.

The study of water movements through concrete has been continued in an attempt to establish some relation between the compressive strength of concrete and the loss in its chemical constituents as brought about by water percolation.

An investigation of the deterioration of cement in storage was started during the year.

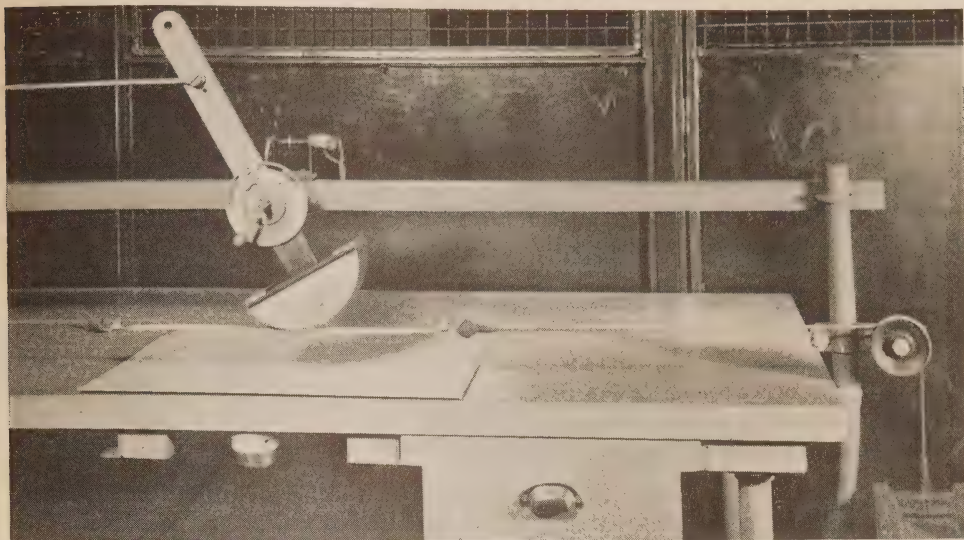
Treatment of Wood Transmission Structures

The deterioration of wood poles and methods for their preservation have received a large amount of attention. The work also has broadened to include studies of other phases of pole life such as reduction in strength with service, new methods of reinforcing poles, new types of poles, and the preparation of specifications for purchase of poles and timber for transmission structures.

The butt treatment of poles using the sand creosote collar has been applied extensively and the results of the treatment are being investigated. With the completion of tests on a new split-cylinder pole-reinforcing and treating unit, installations have been made on about 710 poles, including both direct reinforcing and ground-line splicing. Tests are being continued on the strength of poles that have been in service for relatively long periods.

Petroleum Products

Special investigations have been carried out on petroleum products and related materials. Tests were made on used lubricating oil at Queenston generating station to determine the extent of deterioration with a view to



ABRASION TESTING OF INSULATED WIRES

As the arm oscillates, emery cloth on the curved block wears off the insulation.

establishing proper procedure for refining a large quantity of this oil when it becomes necessary. Generator oils have been studied and tested for film strength and coefficient of friction. Comparative tests were made on automobile car filters, and the technique of testing filter paper was investigated.

Miscellaneous Research

Investigations were made to determine the merits of hot plates and the characteristics of a thermal storage electric cooker, and also as part of the study of some water heater and thermostat problems. Methods of joining aluminum transmission conductors were studied with special attention to materials for sealing contacts against oxidation. The reduction of high ground resistances and the use of the earth-leakage relay switch also were given consideration. A peak wattmeter was developed for checking maximum demand on spot welders.

New Equipment

An abrasion tester was built and is now in use in testing insulated wire.

A reactor was purchased for the Approvals Laboratory to be used in testing industrial control equipment at low power factor, and a device was built for use in testing switches actuated by gas pressure.

Equipment was built for discoloration tests on safety glass in which samples are submitted to ultra-violet rays.

The new portable oscillograph, ordered last year, was received and has been used in a number of laboratory and field investigations.

A Ferris portable combined radio noise and field strength meter was purchased for measurement of radio interference from power lines and also from devices submitted for approval.

Specifications and Committee Work

Members of the staff attended meetings and conventions of the Canadian Engineering Standards Association, National Research Council, American Society for Testing Materials, American Concrete Institute, Association of Municipal Electrical Utilities, Engineering Institute of Canada, Canadian Electrical Association, American Institute of Electrical Engineers, National Fire Protection Association, Radio Manufacturers Association and Ontario Electrical Contractors Association.

APPROVALS LABORATORY

The number of applications for approval increased about ten per cent. The increase was more marked in classes of wiring devices, industrial control devices, and radio, sound and picture appliances. It was not a great increase in the use of any one appliance but rather general development of new models.

The number of factory inspection reports was larger, and the quantity of labels sold for cord, wire cable and conduit increased.

Inspection and Testing of Wire, Cable and Conduit

A total of 672 factory inspections of wiring materials was made and 1,298 inspection reports were issued to manufacturers. These figures are respectively, 15 per cent and 11 per cent higher than those of the previous year. The quantities of insulated wire, heat-resisting fixture wire, armoured cable and non-metallic sheathed cable inspected showed large increases, 20 to 31 per cent. Also, larger amounts of Christmas tree wire and rigid steel conduit were inspected.

The quantities of heater cord and flexible non-metallic tubing did not show any increase and there was a noticeable reduction in flexible steel conduit.

PRODUCTION AND SERVICE DEPARTMENT

The operations of the machine shop, carpenter shop and garage continued on a satisfactory basis. The volume of work done, though somewhat less than in the previous year, was approximately equal to that of two years before.

The machine and carpenter shops completed a total of 1,721 orders, and other departments were assisted in the development of new types of apparatus.

The garage was operated along lines similar to those followed in recent years. The policy of regularly and systematically inspecting the Commission's fleet of 309 trucks was continued. Thirty-three trucks were completely overhauled in the garage and 1,346 individual inspections were made in the field. In addition, 186 orders for miscellaneous repairs were completed.

Fifty-six new trucks were purchased, 29 of which were replacements and the remaining 27 were additions to the fleet. A new type of all-steel truck body, specially designed for convenience in meter reading and installation of rural services, was adopted as standard. This design provides adequate facilities for carrying 16 watthour meters, materials and equipment, and replaces the pick-up and panel bodies previously used for this purpose.

A new two-ton combination type trailer, equipped with electric brakes, was developed for the dual purpose of hauling poles and carrying reels of cable. It is so designed that the reels may easily be loaded directly from the ground level without the use of other lifting equipment.

PHOTOGRAPHY, PHOTOSTAT AND BLUE PRINTING

There was a definite increase in the amount of work done in photography, photostat and blue printing. A total of 779 photograph orders was completed, about six per cent increase. The number of blue prints made was 93,227, an increase of eleven per cent.

The photostat camera has been used to a much greater extent, the orders completed, 550, show an increase of thirty-six per cent. The number of positive prints was over fifteen per cent higher, and indicated an increasing preference for this type instead of the negative print.

ELECTRICAL INSPECTION DEPARTMENT

This department handled the largest volume of work for any year since it was organized, but the amount was only slightly more than in the previous year.

Statistical

A total of 119,578 permits was issued, an increase of 1.6 per cent over 1938, and 208,388 inspections were made, an increase of 2.3 per cent.

Fires Attributed to Electricity

Among the fires investigated, after having been reported as caused through electrical wiring or equipment, ten were traced to that source. These were found due to loose ground clamps, loose connections at the meter, or short-circuits in armoured cable, flexible cord or knob and tube wiring. Possibly other fires had their origin in electrical circuits or equipment but the evidence available to the Commission's inspectors did not entirely warrant such a conclusion.

Electrocutions and Fatal Accidents

Seven persons lost their lives through coming into contact with electric wiring or equipment under the jurisdiction of this department. Of these, five were electrocuted in such positions as (a) holding a metal tray which had cut through the insulation of a portable cable, (b) handling a portable lamp while in a bathtub, (c) in contact with a power feeder within reach above a roof, (d) in contact with the bumper of a car which was alive due to a defective battery charger, and (e) while wiring a live control panel. One man died from burns when an oil can caused a short circuit and exploded. Another suffered a broken neck in a fall caused by shock while investigating supposed trouble in an oil switch.

Ground Tests

Ground tests, made in isolated communities and rural districts, reached a total of 5,539.

Infractions of Regulations

Fifty-four persons and companies were prosecuted for various infractions of the Rules and Regulations governing the installation and sale of electrical equipment and material. This was a considerable reduction in prosecutions, —thirty-two less than in the previous year.

The Canadian Electrical Code

Members of the Laboratory and Electrical Inspection staffs attended several meetings and assisted in revising sections of the Code.

On Part I of the Code—Electrical Installations—nine meetings were attended by the Commission's engineers in connection with the preparation of material for the fourth edition of the Code. This material had been prepared in draft form mainly in the preceding fiscal year but was reviewed for revision and acceptance by the various committees of the Canadian Engineering Standards Association. The Code was issued late in the year.

On Part II of the Code—Approval Specifications for Electrical Equipment.—Nineteen meetings of different committees and subcommittees were held. These were attended by several of the Commission's engineers. Two specifications, on "Knife Switches" and "Flexible Steel Conduit", were completed and printed by the Canadian Engineering Standards Association. Six other specifications were advanced to the preliminary draft stage, one to C.E.S.A. draft and four to letter ballot.

With the reorganization of the Canadian Electrical Code Committee, the Panel on Specifications became the Committee on Part II of the C.E. Code, with the Approvals engineer as chairman. Subcommittees were appointed, each under the chairmanship of a member of the Part II Committee, and with secretaries appointed from the Laboratory staff. Under this new arrangement, much of the work of preparing the specifications and guiding them through the various stages to completion devolves upon the Approvals Laboratory. As the above programme of the year's work shows, this Committee and its subcommittees have been quite active.

SECTION VIII

ELECTRIC RAILWAYS

THE HAMILTON STREET RAILWAY COMPANY

A Subsidiary of The Hydro-Electric Power Commission of Ontario—
Niagara System

Gross earnings on the Hamilton Street Railway for the year 1939 decreased 4.59 per cent. Operating expenses (including taxes) decreased 7.64 per cent. The result was a decrease in net earnings of \$49,511. The decrease in net earnings was due to general industrial conditions.

The balance sheet and income account are given at the end of Section IX.

Operating results are summarized and compared in the following tabulation and chart.

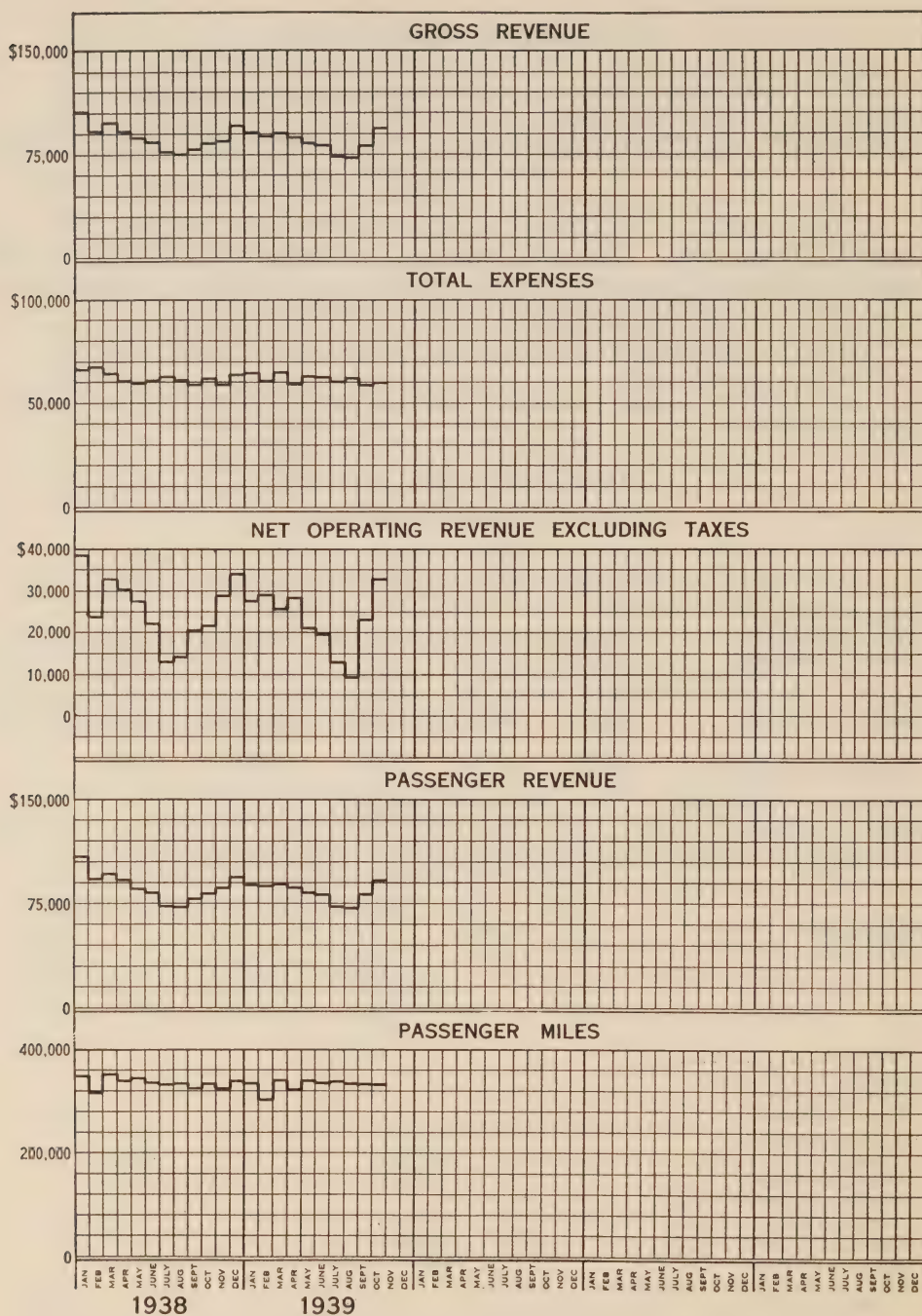
HAMILTON STREET RAILWAY
Comparative Operating Statistics

	Street-cars \$	1938 Buses \$	Total \$	Street-cars \$	1939 Buses \$	Total \$
Operating revenues:						
Transportation.....	840,588	231,602	1,072,190	788,652	229,938	1,018,590
Other operations.....	4,854	825	5,679	9,094	674	9,768
Operating revenue.....	845,442	232,427	1,077,869	797,746	230,612	1,028,358
Operating expenses.....	735,502	186,780	922,282	661,465	190,376	851,841
Net revenue for year.....	109,940	45,647	155,587	136,281	40,236	176,517
Appropriation for dividend.....			122,969			177,228
Surplus for year.....			32,618			*711

*Deficit.

	1938	1939
Route-miles:		
Street-car.....	28.06	28.38
Bus.....	17.58	16.57
Total.....	45.64	44.95
Track-miles.....	42.80	42.62
Passenger cars operated:		
Passenger cars.....	72	70
Passenger buses.....	32	34
Car-miles operated:		
Passenger cars.....	2,722,581	2,562,074
Passenger buses.....	1,330,301	1,393,242
Car-hours operated:		
Passenger cars.....	291,650	272,149
Passenger buses.....	108,291	111,242
Passengers carried.....	20,007,750	19,027,851
Percentage of transfer passengers to revenue passengers.....	23.9%	19.6%

THE HAMILTON STREET RAILWAY COMPANY OPERATING STATISTICS



SECTION IX

FINANCIAL STATEMENTS

Relating to

**Properties Operated by The Hydro-Electric Power Commission in the
Niagara, Georgian Bay, Eastern Ontario and Thunder Bay
Systems on Behalf of Municipalities**

and to

**Northern Ontario Properties Held and Operated by the Commission
in Trust for the Province of Ontario, and**

**The Hamilton Street Railway Company—A Subsidiary of
Niagara System**

IN this section of the Report financial statements relating to the activities of The Hydro-Electric Power Commission, segregated into certain distinct divisions, are presented. The first division relates to those activities on behalf of the co-operative municipalities, which are partners in the main "Hydro" undertaking comprising the Niagara, Georgian Bay, Eastern Ontario and Thunder Bay systems and certain minor properties. The second relates to the administration of the Northern Ontario Properties which are held and operated by the Commission in trust for the Province of Ontario. The third relates to The Hamilton Street Railway Company, a subsidiary of the Niagara system.

Co-operative Systems

In the Foreword to this Report a brief reference is made to the basic principle governing the operations of the "Hydro" undertaking in supplying electrical service at cost, and to the *wholesale* and *retail* aspects of the work. A description is also given of the several systems into which the partner municipalities are co-ordinated for securing common action with respect to power supplies, through the medium of The Hydro-Electric Power Commission which, under The Power Commission Act, functions as their Trustee.

Although for the purpose of financial administration the various systems are separate units, there is a similarity of procedure with respect to their operation which enables certain financial statements, as for example the various reserves, to be co-ordinated and presented in summary tables.

The first set of tables in Section IX gives collective results for the co-operative activities related to the four systems and minor associated properties. These tables include a **balance sheet; a statement of operation and cost distribution** as detailed in the "cost of power" tables referred to below; schedules respecting **fixed assets, capital expenditures and grants—rural power districts, power accounts receivable, funded debt issued or assumed, renewals reserves, contingencies and obsolescence reserves, stabilization of rates reserves, sinking fund reserves** and the account with the Provincial Treasurer of the Province of Ontario.

The tables which follow these general financial statements relate more particularly to the individual municipality's aspects of the wholesale activities of the Commission and for each system show the **cost of power** to the individual municipal utilities, the **credit or debit** adjustment that is made at the end of the fiscal year, and the **sinking fund** equity that has been acquired by the individual municipality. There is also included for each system a **rural operating** statement.

The charges for power supplied by the Commission to the various municipalities vary with the amounts of power used, the distances from the sources of supply and other factors. The entire capital cost of the various power developments and transmission systems is annually allocated to the connected municipalities and other wholesale power consumers, according to the relative use made of the lines and equipment. Each municipality assumes responsibility for that portion of property employed in providing and transmitting power for its use, together with such expenses—including the cost of purchased power if any—as are incidental to the provision and delivery of its wholesale power. The annual expenses and the appropriations for reserves are provided out of revenues collected in respect of such power, through the medium of power bills rendered by the Commission. The municipalities are billed at an estimated interim rate each month during the year and credit or debit adjustment is made at the end of the year,* when the Commission's books are closed and the actual cost payable by each municipality for power taken has been determined.

Included in the municipality's remittance to the Commission for the wholesale cost of power—besides such current expenses as those for operation and maintenance of plant, for administration, and for interest on capital—are sums required to build up reserves for sinking fund, for renewals, for contingencies and obsolescence, and for stabilization of rates. The first-mentioned reserve, namely, sinking fund, is being created on a 40-year basis for the purpose of liquidating capital liabilities. The other reserves are, respectively, being created to provide funds for the replacing or rebuilding of plant as it wears out, to enable the undertaking to replace existing equipment with improved equipment as it becomes available through advances in science and invention, and to meet unforeseen expenses which from time to time may arise.

*The financial year for the Commission ends on October 31. The financial year for the municipal electric utilities, however, ends on December 31, and the municipal accounts are made up to this date, and so recorded in Section X.

The ultimate source of all revenue to meet costs—whether for the larger operations of The Hydro-Electric Power Commission or for the smaller local operations of the municipalities—is, of course, the consumer. Out of the total revenue collected by each municipal utility from its consumers for service supplied, only an amount sufficient to pay the wholesale cost of power supplied by the Commission as outlined above is remitted to the Commission; the balance of municipal electrical revenue is retained to pay for the expense incurred by the local utility in distributing the electrical energy to its consumers.

Tabular Data

The following comments relate to the tabular data presented:

Balance Sheet.—The first tabular statement given in Section IX is a balance sheet showing the assets, and the liabilities of the several co-operative systems.

Statement of Operation and Cost Distributions.—This statement is a summary of operating expenses and fixed charges as shown in the “cost of power” tables relating to the individual systems as referred to more particularly below.

Fixed Assets.—Details are given concerning the various fixed assets of each system and of the miscellaneous properties, whilst similar details are shown of the capital expenditures for the year ended October 31, 1939.

Capital Expenditures and Grants—Rural Power Districts.—This schedule gives summary information respecting the total capital expenditures on rural power districts and grants-in-aid of construction paid or payable by the Province with respect to such rural districts.

Power Accounts Receivable.—This schedule sets forth the amounts collectable from all classes of power consumers and includes the annual adjustment figures from the “credit or charge” statements for municipalities. The main details of those debit balances three months or more overdue are stated.

Funded Debt Issued or Assumed.—This schedule presents a complete list of the securities issued or assumed by the Commission on account of the several systems, and the Northern Ontario Properties. It should be noted that where securities have been issued to finance properties operated for others, this liability is only shown in memorandum form on the balance sheet of the Commission, whilst the direct liability is shown on the balance sheets of the Northern Ontario Properties.

Renewals Reserves,**Contingencies and Obsolescence Reserves and**

Stabilization of Rates Reserves.—These schedules show the provisions made to, the expenditures from, and the balance to the credit of, these reserves for each of the systems and other properties included in the power undertakings operated on a cost basis.

Sinking Fund Reserves.—This schedule summarizes the appropriation of principal and interest with respect to these reserves for each of the systems and certain minor properties.

Account with the Provincial Treasurer.—This schedule lists, both for the Niagara and other systems operated on a cost basis, and for the Northern Ontario Properties which are held and operated by the Commission in trust for the Province, the advances from the Province of Ontario and the repayments which have been applied to reduce this liability. It should be noted that Provincial advances to finance Northern Ontario Properties are shown in memorandum form only on the balance sheet of the Commission as the direct liability is carried on the Northern Ontario Properties' balance sheet.

Following these statements, which are common to all systems, there are given for each of the individual co-operative systems four tabular statements as follows:

Cost of Power statement, which shows the apportionment to each municipality of the items of cost summarized in the operating account, as well as the apportionment of fixed assets in service listed in the balance sheet and the amount of power taken by each municipality. It should be noted that the cost of power given in this table is the wholesale cost—that is, the cost which the Commission receives for the power delivered from the main transformer stations serving the local utility. In the case of municipal electrical utilities not directly administered by the Commission, the respective costs of power appear in Statement "B" of Section X as "power purchased".

Credit or Charge statement, which shows the adjustments made in order to bring the amounts paid by each municipal electric utility to the actual cost of service. The credits and charges for the municipal electric utilities are taken up and given effect to in the accounts of "Hydro" utilities.

Sinking Fund statement, which gives the accumulated total of the amounts paid by each municipality as part of the cost of power together with its proportionate share of other sinking funds.

Rural Operating statement, which summarizes for the rural power districts of the system the various items of cost, and the revenues received, in connection with the distribution of electrical energy to rural consumers.

Northern Ontario Properties

The statements and schedules respecting these properties which are held and operated by the Commission in trust for the Province of Ontario include the balance sheet, operating and income accounts, schedules of fixed assets, renewals reserves, contingencies and obsolescence reserves, and sinking fund reserves. These schedules are similar in form to the corresponding schedules relating to the co-operative systems.

The Hamilton Street Railway Company

This is a subsidiary of the Niagara system of the Commission. A balance sheet and operating and income account are presented.

Municipal Utilities

All municipal "Hydro" utilities have current expenses to meet similar to the expenses of the Commission and have adopted the same financial procedure with respect to their operations. In other words, concurrently with the creation of funds to liquidate their debt to the Commission and to provide the necessary reserves to protect generating, transforming and transmission systems, the municipalities are taking similar action with respect to their local "Hydro" utility systems.

The balance sheets, operating reports and statistical data appearing in Section X, under the heading of "Municipal Accounts", relate to the operation of local distribution systems by individual municipalities which have contracted with the Commission for their supply of electrical energy. To this section there is an explanatory introduction to which the reader is specially referred.

Auditing of Accounts

The accounts of The Hydro-Electric Power Commission of Ontario are verified by auditors specially appointed by the Provincial Government. The accounts of the "Hydro" utility of each individual municipality are prepared according to approved and standard practice and The Public Utilities Act requires that they shall be audited by the auditors of the municipal corporation.

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO**FINANCIAL ACCOUNTS**

For the Year Ended October 31, 1939

**Relating to Properties operated on a "Cost Basis" for the Co-operating
Municipalities and Rural Power Districts which are supplied with
Electrical Power and Services from the following Properties:**

**Niagara System
Georgian Bay System
Eastern Ontario System
Thunder Bay System
Non-System Properties
Service and Administrative
Buildings and Equipment**

STATEMENTS

Balance Sheet as at October 31, 1939

**Statements of Operations and Cost of Power for the Year ended
October 31, 1939.**

Schedules supporting the Balance Sheet as at October 31, 1939:

Fixed Assets—By Systems and Properties

Capital Expenditures and Grants—Rural Power Districts

Power Accounts Receivable

Funded Debt Issued or Assumed

Renewals Reserves

Contingencies and Obsolescence Reserves

Stabilization of Rates Reserves

Sinking Fund Reserves

Account with the Provincial Treasurer of the Province of Ontario

Statements for Municipalities Receiving Power under Cost Contracts

THE HYDRO-ELECTRIC POWER

BALANCE SHEET AS AT OCTOBER 31, 1939,

Niagara System

Georgian Bay System

ASSETS

FIXED ASSETS:

Niagara system.....	\$225,300,674.10	
Georgian Bay system.....	13,773,078.28	
Eastern Ontario system.....	26,336,955.79	
Thunder Bay system.....	20,105,059.65	
Non-system properties.....	414,320.48	
Service and administrative buildings and equipment.....	3,267,086.38	
	\$289,197,174.68	
Less: Grants-in-aid of construction:		
Province of Ontario—for rural power districts.....	16,596,670.63	
		\$272,600,504.05

INVESTMENTS:

Toronto, Port Credit, St. Catharines Radial Railways—secured.....	\$2,201,775.47	
The Hamilton Street Railway Company—Capital stock.....	3,000,000.00	
City of Toronto debentures (Toronto and York Radial)—Collateral.....	2,375,000.00	
Other investments.....	213,117.00	
		7,789,892.47

CURRENT ASSETS:

Cash in banks.....	\$ 1,279,262.99	
Employees' working funds.....	77,465.43	
Sundry accounts receivable.....	477,186.78	
Power accounts receivable.....	4,155,172.73	
Rural power district grants receivable.....	436,562.53	
Interest accrued.....	658,608.38	
Consumers' and contractors' deposits:		
Cash deposits.....	\$ 51,255.05	
Securities—at par value.....	515,200.00	
	566,455.05	
Prepayments.....	32,097.23	
		7,682,811.12

INVENTORIES:

Construction and maintenance materials and supplies.....	\$ 2,374,258.86	
Construction and maintenance tools and equipment.....	901,163.02	
Office equipment.....	104,530.07	
		3,379,951.95

DEFERRED ASSETS:

Agreements and mortgages.....	\$ 856,672.91	
Rural district loans.....	115,612.17	
Work in progress—deferred work orders.....	106,785.07	
		1,079,070.15
UNAMORTIZED DISCOUNT ON DEBENTURES.....		404,085.07

RESERVE FUNDS:

Investments—Specific reserves.....	\$ 48,465,593.42	
Employers' Liability Insurance Fund:		
Investments.....	\$ 977,285.44	
Deposits with the Workmen's Compensation Board.....	33,942.18	
	1,011,227.62	
Pension Fund, investments.....	5,956,591.79	
		55,433,412.83

SINKING FUNDS:

Investments.....	\$ 315,995.24	
Deposits in the hands of trustees—including temporary investments.....	448,763.28	
		764,758.52
		<u>\$349,134,486.16</u>

COMMISSION OF ONTARIO

IN WHICH THE FOLLOWING PROPERTIES ARE INCLUDED:

Eastern Ontario System

Thunder Bay System

Non-System Properties

LIABILITIES AND RESERVES

LONG TERM LIABILITIES:

Funded Debt Issued or Assumed.....	\$111,624,036.33	
Less—Debentures issued to finance Northern Ontario Properties.....	29,500,000.00	
	\$ 82,124,036.33	
Advances from the Province of Ontario.....	\$146,563,260.91	
Less—Advances for Northern Ontario Properties.....	6,223,284.82	
	140,339,976.09	
Purchase Agreements:		
Thunder Bay system transmission lines.....	148,152.97	
	\$222,612,165.39	

CURRENT LIABILITIES:

Bank of Montreal—short term loans—secured.....	\$ 3,000,000.00	
Accounts and payrolls payable.....	1,973,936.39	
Northern Ontario Properties—Current account.....	54,888.33	
The Hamilton Street Railway Co.—Current account.....	10,962.01	
Power accounts—credit balances.....	24,150.95	
Advances from the Province of Ontario for rural loans.....	125,240.87	
Consumers' and contractors' deposits.....	570,987.47	
Debenture interest accrued.....	904,570.87	
Miscellaneous interest and exchange accrued.....	98,604.62	
Miscellaneous accruals.....	33,883.86	
	6,797,225.37	

RURAL POWER DISTRICTS—Rates Suspense, net..... 1,251,611.30

UNAMORTIZED PREMIUM ON DEBENTURES..... 108,666.91

RESERVES:

Renewals.....	\$ 43,501,707.11	
Contingencies and obsolescence.....	8,499,717.25	
Stabilization of rates.....	5,709,102.09	
Fire insurance.....	80,640.74	
	\$ 57,791,167.19	
Employers' liability insurance.....	1,050,379.01	
Pension fund.....	6,084,974.20	
Miscellaneous.....	635,079.83	
	65,561,600.23	

SINKING FUND RESERVE:

Represented by:

Funded debt retired through sinking funds.....	\$ 22,767,209.46	
Provincial advances retired through sinking funds.....	29,265,262.01	
Available balance.....	770,745.49	
	52,803,216.96	
	\$349,134,486.16	

Auditors' Certificate

We have examined the Accounts of The Hydro-Electric Power Commission of Ontario for the year ended the 31st October, 1939, and report that, in our opinion, the above Balance Sheet is properly drawn up so as to exhibit a true and correct view of the state of the Commission's affairs at the 31st of October, 1939, according to the best of our information and the explanations given to us, and as shown by the books and records of the Commission. We have obtained all the information and explanations we have required.

OSCAR HUDSON AND CO.,

Chartered Accountants,

Auditors.

Dated at Toronto, Ontario,

29th February, 1940.

THE HYDRO-ELECTRIC POWER
Statement of Operations and Cost of Power for

	Cost of power purchased	Operating maintenance and admin- istrative expenses	Interest	Provision for renewals	Provision for conting- encies and obsoles- cence
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
NIAGARA SYSTEM:					
Municipalities	4,936,546.85	2,865,978.44	6,829,212.36	1,071,407.90	.....
Rural power districts	304,060.28	259,987.66	500,997.65	93,964.99	.....
Companies	1,528,467.31	903,282.97	1,783,366.88	240,047.69	.....
Local distribution systems	31,641.79	71,672.85	61,811.45	11,841.54	.....
Total	6,800,716.23	4,100,921.92	9,175,388.34	1,417,262.12	.....
GEORGIAN BAY SYSTEM:					
Municipalities	16,929.83	313,353.26	329,528.84	86,334.05	26,722.86
Rural power districts	9,263.30	69,050.78	77,770.62	21,334.42	6,361.80
Companies	849.65	13,930.95	15,650.40	4,142.55	1,275.46
Local distribution systems	368.32	14,190.92	11,701.55	3,868.79	1,515.24
Total	27,411.10	410,525.91	434,651.41	115,679.81	35,875.36
EASTERN ONTARIO SYSTEM:					
Municipalities	772,442.08	523,669.81	630,295.84	144,663.47	47,314.92
Rural power districts	79,047.32	68,469.12	85,511.60	21,894.36	6,697.66
Companies	159,122.04	119,781.52	150,972.62	36,251.75	12,173.53
Local electric dist. system	3,355.43	9,180.09	5,556.52	1,551.34	308.69
Local gas dis. system .....	.....	3,057.04	202.05	.....	.....
Pulp mill	10,104.53	21,273.25	12,973.27	1,964.00	773.35
Total	1,024,071.40	745,430.83	885,511.90	206,324.92	67,268.15
THUNDER BAY SYSTEM:					
Municipalities .....	.....	180,093.24	558,857.32	105,344.16	55,996.81
Rural power districts .....	.....	2,565.17	4,355.55	873.64	439.31
Companies and local dis- tribution systems .....	.....	178,020.29	353,899.71	53,140.81	30,077.05
Total .....	.....	360,678.70	917,112.58	159,358.61	86,513.17
COST OF DISTRIBUTION OF POWER WITHIN R.P.D.'S:					
Niagara system R.P.D.	*1,253,633.83	716,779.89	452,129.91	198,134.37	.....
Georgian Bay sys. R.P.D.	*219,499.28	131,276.84	95,848.87	38,889.57	.....
Eastern Ontario sys. R.P.D.	*300,290.80	218,760.35	154,120.34	65,015.06	.....
Thunder Bay sys. R.P.D.	*9,081.34	6,615.00	5,214.23	2,238.58	.....
Manitoulin R.P.D.	6,439.97	6,098.94	3,742.64	1,642.49	.....
Nipissing R.P.D.	10,971.00	3,804.83	2,509.08	1,019.14	.....
Sudbury R.P.D.	8,596.70	5,761.79	1,178.47	589.24	.....
Total	1,808,512.92	1,089,097.64	714,743.54	307,528.45	.....
RURAL LINES OPERATED BY MUNICIPALITIES:					
Niagara rural lines .....	.....	.....	845.80	401.17	200.59
Georgian Bay rural lines .....	.....	.....	155.66	56.74	28.37
Total .....	.....	.....	1,001.46	457.91	228.96
Total for all systems	9,660,711.65	6,706,655.00	12,128,409.23	2,206,611.82	189,885.64
R.P.D.'s eliminations	*(1,782,505.25)	.....	.....	.....	.....
Net total for all systems	7,878,206.40	6,706,655.00	12,128,409.23	2,206,611.82	189,885.64
GRAND SUMMARY:					
Niagara system	6,800,716.23	4,817,701.81	9,628,364.05	1,615,797.66	200.59
Georgian Bay system	27,411.10	541,802.75	530,655.94	154,626.12	35,903.73
Eastern Ontario system	1,024,071.40	964,191.18	1,039,632.24	271,339.98	67,268.15
Thunder Bay system .....	.....	367,293.70	922,326.81	161,597.19	86,513.17
Non-system properties	26,007.67	15,665.56	7,430.19	3,250.87	.....
Total	7,878,206.40	6,706,655.00	12,128,409.23	2,206,611.82	189,885.64

COMMISSION OF ONTARIO

Each System for the Year ended October 31, 1939

Provision for stabiliza- tion of rates	Provision for sinking fund	Operating balances in respect of power sold to private companies	Total cost	Amount received from (or billed against) municipalities and other customers	Amounts remaining to be credited or charged to municipalities	
					Credited	Charged
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	1,591,311.73	(358,853.04)	16,935,604.24	17,118,446.64	303,170.42	120,328.02
.....	116,820.86	(22,197.61)	*1,253,633.83	*1,253,633.83	.....	.....
.....	466,235.71	382,720.07	5,304,120.63	5,304,120.63	.....	.....
.....	14,413.00	(1,669.42)	189,711.21	189,711.21	.....	.....
.....	2,188,781.30	.....	23,683,069.91	23,865,912.31	303,170.42	120,328.02
76,785.90	73,477.63	5,033.92	928,166.29	943,896.67	27,103.52	11,373.14
17,321.10	17,261.78	1,135.48	*219,499.28	*219,499.28	.....	.....
.....	3,473.72	(5,817.31)	33,505.42	33,505.42	.....	.....
.....	2,597.24	(352.09)	33,889.97	33,889.97	.....	.....
94,107.00	96,810.37	.....	1,215,060.96	1,230,791.34	27,103.52	11,373.14
157,430.80	142,148.18	(4,265.42)	2,413,699.68	2,423,716.34	29,836.33	19,819.67
19,965.20	19,246.47	(540.93)	*300,290.80	*300,290.80	.....	.....
.....	40,762.48	15,533.66	534,597.60	534,597.60	.....	.....
.....	1,149.80	7,293.11	28,394.98	28,394.98	.....	.....
.....	.....	( 1,016.10)	2,242.99	2,242.99	.....	.....
.....	2,375.78	(17,004.32)	32,459.86	32,459.86	.....	.....
177,396.00	205,682.71	.....	3,311,685.91	3,321,702.57	29,836.33	19,819.67
24,078.15	126,266.41	(43,374.90)	1,007,261.19	1,012,926.43	5,872.23	206.99
170.75	984.51	(307.59)	*9,081.34	*9,081.34	.....	.....
21,909.64	162,600.07	43,682.49	843,330.06	843,330.06	.....	.....
46,158.54	289,850.99	.....	1,859,672.59	1,865,337.83	5,872.23	206.99
.....	105,426.10	.....	2,726,104.10	2,834,782.69	108,678.59	.....
.....	21,274.34	.....	506,788.90	449,428.70	.....	57,360.20
.....	34,688.55	.....	772,875.10	766,209.79	.....	6,665.31
.....	1,178.61	.....	24,327.76	23,211.36	.....	1,116.40
.....	900.18	.....	18,824.22	16,532.26	.....	2,291.96
.....	540.49	.....	18,844.54	21,202.12	2,357.58	.....
.....	310.23	.....	16,436.43	24,721.24	8,284.81	.....
.....	164,318.50	.....	4,084,201.05	4,136,088.16	119,320.98	67,433.87
.....	361.05	.....	1,808.61	1,808.61	.....	.....
.....	51.07	.....	291.84	291.84	.....	.....
.....	412.12	.....	2,100.45	2,100.45	.....	.....
317,661.54	2,945,855.99	.....	34,155,790.87	34,421,932.66	485,303.48	219,161.69
.....	.....	.....	*(1,782,505.25)	*(1,782,505.25)	.....	.....
317,661.54	2,945,855.99	.....	32,373,285.62	32,639,427.41	485,303.48	219,161.69
.....	2,294,568.45	.....	25,157,348.79	25,448,869.78	411,849.01	120,328.02
94,107.00	118,135.78	.....	1,502,642.42	1,461,012.60	27,103.52	68,733.34
177,396.00	240,371.26	.....	3,784,270.21	3,787,621.56	29,836.33	26,484.98
46,158.54	291,029.60	.....	1,874,919.01	1,879,467.85	5,872.23	1,323.39
.....	1,750.90	.....	54,105.19	62,455.62	10,642.39	2,291.96
317,661.54	2,945,855.99	.....	32,373,285.62	32,639,427.41	485,303.48	219,161.69

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO
Fixed Assets—October 31, 1939
NIAGARA SYSTEM

	Net capital expenditures in the year		Fixed Assets					
			Under construction	In service			Total	
				Water rights and intangible items	Physical property			
					Non-renewable	Renewable		
	\$	c.	\$	c.	\$	c.	\$	c.
Power Plants:								
Niagara river:								
Queenston-Chippawa...	23,287.06		16,469.40		47,960,952.18		28,870,840.41	
Ontario Power.....	8,710.10		6,329.16		7,281,151.42		14,902,844.02	
Toronto Power.....	1,634.52				3,823,511.60		7,693,299.43	
Ottawa river:								
Chats Falls.....	6,123.04		8,852.20		809,544.12		6,288,986.78	
Welland canal:								
DeCew Falls.....	1,916.63		23,314.74		8,146,525.70		165,750.13	
Hamilton steam plant..					502,390.58		3,354,470.00	
Preliminary river sur- veys.....					819,836.09			
	20,417.89		54,965.50		20,071,024.81		49,438,637.01	
							61,110,440.64	
Transformer Stations:								
Southern Ontario.....	782,676.55		461,366.32		326,045.38		27,300,711.53	
Eastern—Chats Falls...	204,010.98		8,613.04				10,215,821.37	
	986,687.53		469,979.36		326,045.38		37,516,532.90	
Transmission Lines:								
Southern Ontario:								
Right-of-way.....	30,270.15				7,008,610.12			
Lines.....	24,524.66		98,157.90		18,227.76		18,425,959.10	
Eastern—Chats Falls:								
Right-of-way.....	1,119.10				1,643,446.80			
Lines.....	40.87		50.15				7,501,193.23	
	55,873.04		98,208.05		8,670,284.68		25,927,152.33	
							34,695,645.06	
Local Systems:								
Niagara peninsula and Dundas area.....	4,656.64						257,997.98	
Lincoln Electric:								
St. Catharines system...	77.61				187,327.61			
	4,579.03				187,327.61		257,997.98	
							445,325.59	
Sub-total.....	1,067,557.49		623,152.91		58,622,294.68		124,812,123.85	
Rural Power Districts:								
H-E.P.C. investment....	1,185,831.06		54,126.06				10,569,190.80	
Government grants.....	1,181,236.41		54,126.05				10,474,576.52	
	2,367,067.47		108,252.11				21,043,767.32	
Rural Lines:								
Welland and Milton....							20,058.42	
	3,434,624.96		731,405.02		58,622,294.68		145,875,949.59	
							225,300,674.10	

	Cost statements		Transfers for cost purposes		Fixed assets as above	
	\$	c.	\$	c.	\$	c.
Cost of Power schedules.....	204,069,851.35		58,744.90		204,128,596.25	
Rural Operating schedules.....	10,682,061.76		58,744.90		10,623,316.86	
Rural Lines schedules.....	20,058.42				20,058.42	

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

Fixed Assets—October 31, 1939

GEORGIAN BAY SYSTEM

	Net capital expendi- tures in the year	Fixed Assets				
		Under construc- tion	In service			Total
			Water rights and intangible items	Physical property		
				Non- renewable	Renewable	
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Power Plants:						
Musquash river:						
Bala No. 1 and No. 2 plants.....			68,658.43	1,810.00	50,610.70	121,079.13
Ragged Rapids.....	60,024.34			21,567.35	1,256,892.39	1,278,459.74
Lands and water rights: (Ragged Rapids, Big Eddy, Sandy Grey and Go Home developments).....	199.06		30,600.78	17,224.03		47,824.81
Severn river:						
Wasdells.....	1,143.85	14.40	15,302.32		133,125.99	148,442.71
Big Chute.....	109.89		122,540.48		549,400.37	671,940.85
Preliminary surveys.....			4,107.56			4,107.56
Beaver river:						
Eugenia.....	18,495.33	12,824.50	6,598.51	142,381.92	1,096,677.05	1,258,481.98
Saugeen river:						
Hanover and Maple Hill.....				16,000.00	25,932.55	41,932.55
Walkerton.....	673.06	65.23	97,721.83		114,706.86	212,493.92
Southampton.....	225.00		69,462.43		68,421.32	137,883.75
Muskoka river:						
South Falls.....	8,906.78		17,365.93		447,507.68	464,873.61
Trethewey Falls.....	400.36	90.30	42,565.75	8,983.70	305,826.88	357,466.63
Hanna Chute.....	553.85			34,682.12	208,017.10	242,699.22
Hollow Lake dam.....				16,569.79	29,540.16	46,109.95
Preliminary surveys.....			14,912.93			14,912.93
Sauble river:						
Lands and rights.....	16,658.09		4,200.00			4,200.00
Gull river:						
Lands and rights.....			5,859.20			5,859.20
	70,937.61	12,994.43	499,896.15	259,218.91	4,286,659.05	5,058,768.54
Transformer Stations.....	105,062.92	53,081.66			1,406,115.48	1,459,197.14
Transmission Lines.....	1,494.19	1,718.68			2,738,693.17	2,740,411.85
Local Systems.....	2,777.60	737.09			95,428.69	96,165.78
Sub-total.....	180,272.32	68,531.86	499,896.15	259,218.91	8,526,896.39	9,354,543.31
Rural Power Districts:						
H-E.P.C. investment.....	445,478.59	43,704.75			2,233,038.69	2,276,743.44
Government grants.....	433,784.04	43,704.75			2,095,249.61	2,138,954.36
	879,262.63	87,409.50			4,328,288.30	4,415,697.80
Rural Lines:						
Brechin and Flesherton.....					2,837.17	2,837.17
	1,059,534.95	155,941.36	499,896.15	259,218.91	12,858,021.86	13,773,078.28

	Cost statements	Transfers for cost purposes	Fixed assets as above
	\$ c.	\$ c.	\$ c.
Cost of power schedules.....	9,337,421.91	17,121.40	9,354,543.31
Rural Operating schedules.....	2,293,864.84	17,121.40	2,276,743.44
Rural Lines schedules.....	2,837.17		2,837.17

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO
Fixed Assets—October 31, 1939
EASTERN ONTARIO SYSTEM

	Net capital expendi- tures in the year	Fixed Assets				Total
		Under construc- tion	In service			
			Water rights and intangible items	Physical property		
				Non- renewable	Renewable	
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Power Plants:						
Fenelon river:						
Fenelon Falls.....	78.40		60,000.00		84,400.73	144,400.73
Otonabee river:						
Auburn.....	968.38	34.69	31,400.00		289,507.84	320,942.53
Douro.....					68,478.30	68,478.30
Lakefield.....	643.42		15,054.96	4,565.09	217,659.86	237,279.91
Young's Point.....	31.48		1,978.09	752.72	7,813.69	10,544.50
Trent river:						
Heely Falls.....	1,854.89	36.70			1,188,495.53	1,188,532.23
Seymour.....	1,339.71				302,440.08	302,440.08
Ranney Falls.....	2,371.79				1,342,830.88	1,342,830.88
Ranney Falls No. 3.....	92.51			18,596.20	54,505.66	73,101.86
Crow river.....			1,000.00			1,000.00
Hagues Reach.....	873.29				574,325.59	574,325.59
Meyersburg.....	618.27				837,847.44	837,847.44
Sills Island.....	6,034.72	1,328.90		38,679.36	241,636.75	281,645.01
Frankford.....	372.89				252,772.92	252,772.92
Sydney.....	87.40	4.76			251,887.69	251,892.45
Deer river:						
Cordova power site.....			2,234.69			2,234.69
Gull river:						
Norland and Elliot Chute site.....			17,577.60			17,577.60
Mississippi river:						
High Falls.....	553.71	689.16		13,113.84	685,902.89	699,705.89
Carleton Place.....				9,929.06	47,847.10	57,776.16
Galetta.....	0.46			20,000.00	128,118.21	148,118.21
Ragged Chutes, Playfair and Appleton sites.....	125.60	125.60	52,272.85			52,398.45
Rosebank and Blakeney sites.....			23,321.18			23,321.18
Pakenham.....	983.75	983.75				983.75
Surveys.....			10,594.39			10,594.39
Madawaska river:						
Calabogie.....	6,879.86			80,825.74	677,806.43	758,632.17
Storage dams.....			2,000.00	555.00	16,075.18	18,630.18
Undeveloped sites.....			650,000.00			650,000.00
Preliminary river surveys.....			132,224.23			132,224.23
Miscellaneous equipment.....	943.74	943.74			46,504.47	47,448.21
Inactive plant.....		7.00				7.00
Intangible.....			2,217,761.29			2,217,761.29
	24,669.25	4,154.30	3,217,419.28	187,017.01	7,316,857.24	10,725,447.83
Transformer Stations.....	94,066.32	68,368.94		76,496.84	2,966,518.56	3,111,384.34
Transmission Lines.....	1,172.01	26,555.78		323,050.37	4,857,596.78	5,207,202.93
Local Electric Systems.....	180,904.97		703.00		26,643.24	27,346.24
Campbellford Pulp Mill.....				52,559.93		52,559.93
Cobourg Gas Works.....	25,913.01					
Sub-total.....	86,910.40	99,079.02	3,218,122.28	639,124.15	15,167,615.82	19,123,941.27
Rural Power Districts:						
H-E.P.C. investment.....	697,983.96	38,759.23			3,591,885.08	3,630,644.31
Government grants.....	693,968.63	38,756.35			3,543,613.86	3,582,370.21
	1,391,952.59	77,515.58			7,135,498.94	7,213,014.52
	1,305,042.19	176,594.60	3,218,122.28	639,124.15	22,303,114.76	26,336,955.79

	Cost statements	Transfers for cost purposes	Fixed assets as above
	\$ c.	\$ c.	\$ c.
Cost of Power schedules.....	19,089,818.59	34,122.68	19,123,941.27
Rural Operating schedules.....	3,664,766.99	34,122.68	3,630,644.31

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO
Fixed Assets—October 31, 1939
THUNDER BAY SYSTEM

THUNDER BAY SYSTEM

	Net capital expenditures in the year	Fixed Assets					Total
		Under construction	In service				
			Water rights and intangible items	Physical property			
				Non-renewable	Renewable		
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	
Power Plants:							
Nipigon river:							
Cameron Falls.....	51,756.48	766.73		245,218.71	8,951,197.70	9,197,183.14	
Alexander.....	1,903.30	3,106.09		76,898.34	5,370,461.63	5,450,466.06	
Virgin Falls dam.....				55,450.41	426,736.74	482,187.15	
Deficit, 1921-1923.....			620,818.33			620,818.33	
Preliminary surveys.....			30,242.35			30,242.35	
	53,659.78	3,872.82	651,060.68	377,567.46	14,748,396.07	15,780,897.03	
Transformer Stations.....	23,762.46	1,133.13		339,087.82	887,967.49	1,228,188.44	
Transmission Lines.....	31,338.75	391.18		960,582.05	1,724,793.21	2,685,766.44	
Local Systems.....	14,340.41	1,631.57		70,152.77		71,784.34	
Sub-total.....	123,101.40	7,028.70	651,060.68	1,747,390.10	17,361,156.77	19,766,636.25	
Rural Power Districts:							
H-E.P.C. investments.....	72,837.33	23,280.65			145,931.05	169,211.70	
Government grants.....	72,837.33	23,280.66			145,931.04	169,211.70	
	145,674.66	46,561.31			291,862.09	338,423.40	
	268,776.06	53,590.01	651,060.68	1,747,390.10	17,653,018.86	20,105,059.65	

	Cost statements	Fixed assets as above
	\$ c.	\$ c.
Cost of Power schedules.....	19,766,636.25	19,766,636.25
Rural Operating schedules.....	169,211.70	169,211.70

NON-SYSTEM PROPERTIES

	Net capital expendi- tures in the year	Fixed Assets				
		Under construc- tion	In service			Total
			Water rights and intangible items	Physical property		
				Non- renewable	Renewable	
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Bonnechere River Storage:						
Round Lake dam.....				23,185.58		23,185.58
Deficit, 1917-1931.....			28,556.30			28,556.30
			28,556.30	23,185.58		51,741.88
Nipissing Rural Power District:						
H-E.P.C. investments.....	14,113.25	2,808.02			56,000.83	58,808.85
Government grants.....	14,113.24	2,808.01			55,257.09	58,065.10
	28,226.49	5,616.03			111,257.92	116,873.95
Manitoulin Rural Power District:						
H-E.P.C. investments:						
Transformer stations.....	37.00	37.00			5,549.10	5,586.10
Transmission lines.....	18,141.34	422.26			86,784.86	87,207.12
	18,178.34	459.26			92,333.96	92,793.22
	17,519.38	422.26			85,399.69	85,821.95
Government grants.....	35,697.72	881.52			177,733.65	178,615.17
Sudbury Rural Power District:						
H-E.P.C. investments.....	33,544.74				33,544.74	33,544.74
Government grants.....	33,544.74				33,544.74	33,544.74
	67,089.48				67,089.48	67,089.48
	131,013.69	6,497.55	28,556.30	23,185.58	356,081.05	414,320.48

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

Fixed Assets—October 31, 1939

ADMINISTRATIVE AND SERVICE BUILDINGS AND EQUIPMENT

	Net capital expendi- tures in the year	Fixed Assets				
		Under construc- tion	In service			Total
			Water rights and intangible items	Physical property		
				Non- renewable	Renewable	
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Administrative Buildings:						
Toronto:						
University Avenue.....	42,151.85	2,115.22	.....	229,186.20	1,491,051.35	1,722,352.77
Elm and Centre Streets.....			.....		160,821.95	160,821.95
	42,151.85	2,115.22	.....	229,186.20	1,651,873.30	1,883,174.72
Service Buildings and Equipment:						
Toronto:						
Strachan Avenue.....	7,669.15	.....	.....		539,278.37	539,278.37
1379 Bloor Street West.....	9,425.80	.....	.....		72,563.21	72,563.21
Cobourg.....			.....		22,070.08	22,070.08
Hamilton.....			.....	750,000.00		750,000.00
	17,094.95	.....	.....	750,000.00	633,911.66	1,383,911.66
	59,246.80	2,115.22	.....	979,186.20	2,285,784.96	3,267,086.38

SUMMARY

	Net capital expendi- tures in the year	Fixed Assets				
		Under construc- tion	In service			Total
			Water rights and intangible items	Physical property		
				Non- renewable	Renewable	
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Niagara system.....	3,434,624.96	731,405.02	20,071,024.81	58,622,294.68	145,875,949.59	225,300,674.10
Georgian Bay system....	1,059,534.95	155,941.36	499,896.15	259,218.91	12,858,021.86	13,773,078.28
Eastern Ontario system..	1,305,042.19	176,594.60	3,218,122.28	639,124.15	22,303,114.76	26,336,955.79
Thunder Bay system....	268,776.06	53,590.01	651,060.68	1,747,390.10	17,653,018.86	20,105,059.65
Non-system properties...	131,013.69	6,497.55	28,556.30	23,185.58	356,081.05	414,320.48
Service and administra- tive buildings and equipment.....	59,246.80	2,115.22	.....	979,186.20	2,285,784.96	3,267,086.38
	6,258,238.65	1,126,143.76	24,468,660.22	62,270,399.62	201,331,971.08	289,197,174.68
Less: Grants in aid of con- struction:						
Province of Ontario—for rural power districts...	2,447,003.77	163,098.08	.....	.....	16,433,572.55	16,596,670.63
	3,811,234.88	963,045.68	24,468,660.22	62,270,399.62	184,898,398.53	272,600,504.05

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO
CAPITAL EXPENDITURES AND GRANTS—RURAL POWER DISTRICTS

Summary at October 31, 1939

Statement showing the Total Capital Expenditures to October 31, 1939, on the construction of Primary and Secondary lines in Rural Power Districts; the portion thereof in course of construction, and the investment in lines in operation; also the amounts of the Grants (fifty per cent of both Primary and Secondary lines) paid or payable to the Commission by the Province of Ontario up to October 31, 1939

System	Total capital expenditure	In course of construction	In operation	Grants (50% of Primary and Secondary lines) paid or payable by the Province as authorized by Orders-in-Council*
	\$ c.	\$ c.	\$ c.	\$ c.
Niagara system	21,152,019.43	108,252.11	21,043,767.32	10,528,702.57
Georgian Bay system	4,415,697.80	87,409.50	4,328,288.30	2,138,954.36
Eastern Ontario system	7,213,014.52	77,515.58	7,135,498.94	3,582,370.21
Thunder Bay system	338,423.40	46,561.31	291,862.09	169,211.70
Non-System properties:				
Nipissing district	116,873.95	5,616.03	111,257.92	58,065.10
Manitoulin district	173,029.07	844.52	172,184.55	85,821.95
Sudbury district	67,089.48		67,089.48	33,544.74
Totals	33,476,147.65	326,199.05	33,149,948.60	16,596,670.63

*Grants not made by Province in respect of a summer resort, street lighting systems in 78 districts, service buildings in 3 districts and amounts paid for business already established (herein-after called Intangible Assets) in 11 rural distribution systems purchased from private companies.

NOTE:

The Grants payable by the Province—as above set out—in respect of rural power districts as at October 31, 1939, amount in the aggregate to \$16,596,670.63

The cash paid over by the Province to the Commission up to October 31, 1939 on account of authorized grants to rural power districts—amount to 16,160,108.10

Balance payable by Province \$ 436,562.53

THE HYDRO-ELECTRIC POWER

Power Accounts Receivable

System or property	Wholesale power consumers			
	Interim power bills	Accumulated amount standing as a charge or credit on October 31, 1939		Net total for wholesale consumers
		Charge	Credit	
	\$ c.	\$ c.	\$ c.	\$ c.
NIAGARA SYSTEM:				
Municipalities.....	1,910,835.86	124,618.89	302,855.92	1,732,598.83
Companies.....	641,868.87			641,868.87
Rural and local.....				
Lincoln Electric.....				
	2,552,704.73	124,618.89	302,855.92	2,374,467.70
GEORGIAN BAY SYSTEM:				
Municipalities.....	122,818.57	11,373.14	27,103.52	107,088.19
Companies.....	5,237.46			5,237.46
Rural and local.....				
	128,056.03	11,373.14	27,103.52	112,325.65
EASTERN ONTARIO SYSTEM:				
Municipalities.....	301,379.83	19,819.67	29,836.33	291,363.17
Companies.....	53,239.75			53,239.75
Rural.....				
Local.....				
	354,619.58	19,819.67	29,836.33	344,602.92
THUNDER BAY SYSTEM:				
Municipalities.....	166,914.42	206.99	5,872.23	161,249.18
Companies.....	152,552.94			152,552.94
Rural and local.....				
	319,467.36	206.99	5,872.23	313,802.12
NON-SYSTEM PROPERTIES:				
Manitoulin rural.....				
Nipissing rural.....				
Sudbury rural.....				
Grand totals.....	3,354,847.70	156,018.69	365,668.00	3,145,198.39

COMMISSION OF ONTARIO

—October 31, 1939

Retail power consumers— local and rural districts	Net total of power accounts receivable	Balance sheet figures		Debit balances three months or more overdue
		Debit balances	Credit balances	
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	1,732,598.83	1,755,493.24	22,894.41	611.76
.....	641,868.87	641,868.87	.....	.....
618,931.86	618,931.86	618,931.86	.....	24,981.26
4,808.95	4,808.95	4,808.95	.....	108.77
623,740.81	2,998,208.51	3,021,102.92	22,894.41	25,701.79 ..
.....	107,088.19	107,748.51	660.32	.....
.....	5,237.46	5,237.46	.....	.....
144,032.62	144,032.62	144,032.62	.....	6,261.18 ..
144,032.62	256,358.27	257,018.59	660.32	6,261.18
.....	291,363.17	291,959.39	596.22	.....
.....	53,239.75	53,239.75	.....	.....
189,771.28	189,771.28	189,771.28	.....	10,721.44
2,431.03	2,431.03	2,431.03	.....	44.21
192,202.31	536,805.23	537,401.45	596.22	10,765.65
.....	161,249.18	161,249.18	.....	.....
.....	152,552.94	152,552.94	.....	69,868.37
9,509.99	9,509.99	9,509.99	.....	1,248.75
9,509.99	323,312.11	323,312.11	.....	71,117.12
6,482.74	6,482.74	6,482.74	.....	27.93
3,910.94	3,910.94	3,910.94	.....	116.41
5,943.98	5,943.98	5,943.98	.....	97.80
16,337.66	16,337.66	16,337.66	.....	242.14
985,823.39	4,131,021.78	4,155,172.73	24,150.95	114,087.88

THE HYDRO-ELECTRIC POWER
Funded Debt Issued or

Description	Application of proceeds
21¼%-2¾% Serial debentures.....	Repayment of Province of Ont. advances
5% H-E.P.C. debentures.....	Refunding Toronto Power Co.
6% " ".....	Toronto Power Co.
6% " ".....	T. & Y. R.R. equipment
21½% " ".....	Refunding Prov. of Ont. advances, etc.
6% " ".....	Refunding Ontario Power Co.
31½% " ".....	Refunding D.P. & T. and E. D. Co's.
5% Ontario Power Co. bonds.....	Ontario Power Co.
21½% H-E.P.C. debentures.....	Refunding Prov. of Ont. advances, etc.
5% Ontario Transmission Co. bonds.....	Ontario Transmission Co.
3% H-E.P.C. debentures.....	Financing Plant Extensions
31¼% " ".....	Refunding Toronto Power Co.
4% " ".....	Ontario Power Co.
4% " ".....	Essex system
4% " ".....	Thorold system
4¾% " ".....	Dominion Power & Transmission Co.
Municipal debentures assumed.....	
RADIAL RAILWAYS:	
6% Hydro-Electric Railway bonds.....	Toronto & York Radial
Funded debt as shown on the Balance Sheet of the Hydro-Electric Power Commission of Ontario.....	
NORTHERN ONTARIO PROPERTIES:	
21½% H-E.P.C. debentures.....	Abitibi & St. Joseph districts
21½% " ".....	Refunding Ontario Power Service Corp'n
31½% " ".....	and for financing plant extensions
3% " ".....	Financing Plant Extensions
Funded Debt relating to all properties vested in, or operated by, the Commission.....	
Hydro-Electric Radial Railway bonds pledged with the Bank of Montreal as security for loan of \$500,000.00:	
5% Hydro-Electric Railway bonds.....	Port Credit & St. Catharines Radial

COMMISSION OF ONTARIO

Assumed—October 31, 1939

Date of issue	Date of maturity	Principal outstanding October 31, 1939	Interest for the year 1938-1939	Interest accrued October 31, 1939
		\$ c.	\$ c.	\$ c.
March 15, 1937	September 15, 1937/39	4,000,000.00	58,437.50	.....
June 16, 1924	June 15, 1939	4,000,000.00	125,000.00	.....
December 1, 1920	December 1, 1940	413,200.00	24,792.00	10,330.00
December 1, 1920	December 1, 1940	205,800.00	12,348.00	5,145.00
March 1, 1936	March 1, 1941	10,000,000.00	250,000.00	41,666.67
June 24, 1921	June 24, 1941	3,200,000.00	192,000.00	67,857.53
January 1, 1935	January 1, 1943	10,000,000.00	350,000.00	116,666.66
February 1, 1903	February 1, 1943	7,454,000.00	372,475.00	93,175.00
June 15, 1936	June 15, 1944	10,000,000.00	250,000.00	93,750.00
May 1, 1905	May 1, 1945	1,174,000.00	59,375.00	.....
August 1, 1938	August 1, 1948	7,000,000.00	210,000.00	52,500.00
February 1, 1938	February 1, 1953	9,000,000.00	292,500.00	73,125.00
August 1, 1917	August 1, 1957	8,000,000.00	320,000.00	80,000.00
June 1, 1918	June 1, 1958	200,000.00	8,000.00	3,333.34
December 1, 1918	December 1, 1958	100,000.00	4,000.00	1,666.67
January 1, 1930	January 1, 1970	13,000,000.00	617,500.02	205,833.33
July 1, 1913	July 1, 1943	79,747,000.00	3,146,427.52	845,049.20
		2,036.33	671.96	146.67
		79,749,036.33	3,147,099.48	845,195.87
December 1, 1920	December 1, 1940	2,375,000.00	142,500.00	59,375.00
		82,124,036.33	3,289,599.48	904,570.87
March 1, 1936 { April 1, 1937 April 1, 1937 August 1, 1938	March 1, 1941 April 1, 1942 April 1, 1947 August 1, 1948	5,000,000.00	125,000.00	20,833.33
		11,000,000.00	275,000.00	22,916.66
		8,000,000.00	280,000.00	23,333.33
		5,500,000.00	165,000.00	41,250.00
		29,500,000.00	845,000.00	108,333.32
.....	.....	111,624,036.33	4,134,599.48	1,012,904.19
November 1, 1919	November 1, 1969	1,200,000.00	.....	.....

THE HYDRO-ELECTRIC POWER

Renewals Reserves

	Niagara system	Georgian Bay system
	\$ c.	\$ c.
Balances at November 1, 1938.....	29,953,780.97	2,294,726.75
Transferred during the year.....		
Provisions in the year—direct.....	1,615,797.66	154,626.12
indirect.....		
Interest at 4% on reserves' balances.....	1,198,151.24	91,789.06
Adjustments re transfer of equipment.....	(41,765.42)	(1,607.35)
Sub-total.....	32,725,964.45	2,539,534.58
Expenditures for the year.....	269,750.98	73,175.37
Balances at October 31, 1939.....	32,456,213.47	2,466,359.21
Account balances:		
Power plants, transmission lines and transformer stations.....	28,901,071.52	2,105,104.37
Rural power districts.....	3,547,568.71	360,225.91
Rural lines.....	7,573.24	1,028.93
Manitoulin rural power district.....		
Nipissing rural power district.....		
Sudbury rural power district.....		
Administrative office building.....		
Service buildings and equipment.....		
	32,456,213.47	2,466,359.21

THE HYDRO-ELECTRIC POWER

Contingencies and Obsolescence

	Niagara system	Georgian Bay system
	\$ c.	\$ c.
Balances at November 1, 1938.....	5,196,169.77	579,471.43
Transferred during the year.....		
Provision in the year as per cost statement.....	200.59	35,903.73
Interest at 4% on reserves' balances.....	207,846.79	23,178.85
Profits from sale of securities.....	1,727.29	141.24
Adjustments re transfer of equipment.....	53,535.34	1,841.61
Sub-total.....	5,459,479.78	640,536.86
Contingencies met with during year.....	407,028.67	65,197.76
Terminal Building—Hamilton.....	26,983.06	
Balances at October 31, 1939.....	5,025,468.05	575,339.10
Account balances:		
Power plants, transmission lines, transformer stations and rural power districts.....	5,021,824.27	574,884.01
Rural lines.....	3,643.78	455.09
Manitoulin rural power district.....		
Nipissing rural power district.....		
Sudbury rural power district.....		
	5,025,468.05	575,339.10

COMMISSION OF ONTARIO

—October 31, 1939

Eastern Ontario system	Thunder Bay system	Non-System properties	Service and administrative buildings and equipment	Totals for power undertakings operated on a "cost basis"
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
4,907,418.65	2,473,966.44	15,943.67	546,035.88	40,191,872.36
.....	.....	509.58	.....	509.58
271,339.98	161,597.19	3,250.87	.....	2,206,611.82
.....	.....	.....	12,686.37	12,686.37
196,296.75	98,958.65	658.12	18,688.81	1,604,542.63
(13,350.13)	.....	.....	.....	(56,722.90)
5,361,705.25	2,734,522.28	20,362.24	577,411.06	43,959,499.86
110,126.74	921.80	.....	3,817.86	457,792.75
5,251,578.51	2,733,600.48	20,362.24	573,593.20	43,501,707.11
4,517,491.08	2,714,612.43	.....	.....	38,238,279.40
734,087.43	18,988.05	.....	.....	4,660,870.10
.....	.....	8,744.41	.....	8,602.17
.....	.....	10,498.63	.....	8,744.41
.....	.....	1,119.20	.....	10,498.63
.....	.....	.....	187,418.73	1,119.20
.....	.....	.....	386,174.47	187,418.73
.....	.....	.....	.....	386,174.47
5,251,578.51	2,733,600.48	20,362.24	573,593.20	43,501,707.11

COMMISSION OF ONTARIO

Reserves—October 31, 1939

Eastern Ontario system	Thunder Bay system	Non-System properties	Total for power undertakings operated on a "cost basis"
\$ c.	\$ c.	\$ c.	\$ c.
1,566,841.22	1,114,139.88	3,997.24	8,460,619.54
.....	.....	254.79	254.79
67,268.15	86,513.17	.....	189,885.64
62,673.65	44,565.60	170.08	338,434.97
318.15	176.32	.....	2,363.00
.....	.....	.....	55,376.95
1,697,101.17	1,245,394.97	4,422.11	9,046,934.89
38,459.90	9,463.86	84.39	520,234.58
.....	.....	.....	26,983.06
1,658,641.27	1,235,931.11	4,337.72	8,499,717.25
1,658,641.27	1,235,931.11	.....	8,491,280.66
.....	.....	1,881.95	4,098.87
.....	.....	2,190.79	1,881.95
.....	.....	264.98	2,190.79
.....	.....	.....	264.98
1,658,641.27	1,235,931.11	4,337.72	8,499,717.25

THE HYDRO-ELECTRIC POWER

Stabilization of Rates Reserves

	Niagara system
Balance at November 1, 1938.....	\$ c. 4,554,725.33
Appropriations in the year as per cost statement.....	.....
Interest at 4% on stabilization balances.....	182,189.01
Balance at October 31, 1939.....	4,736,914.34
Account balances: Systems.....	4,736,914.34

THE HYDRO-ELECTRIC POWER

Sinking Fund Reserves

	Niagara system	Georgian Bay system
Balances at November 1, 1938.....	\$ c. 41,134,686.00	\$ c. 1,632,255.57
Transferred during the year.....		
Provision in the year—direct.....	2,294,568.45	118,135.78
indirect.....		
Interest at 4% on reserves' balances.....	1,646,390.77	65,290.21
Balances at October 31, 1939.....	45,075,645.22	1,815,681.56
Account balances:		
Systems.....	43,984,449.67	1,686,551.71
Rural power districts.....	1,075,093.57	127,721.74
Rural lines.....	16,101.98	1,408.11
Bonnechere River storage.....		
Manitoulin rural power district.....		
Nipissing rural power district.....		
Sudbury rural power district.....		
Administrative office buildings.....		
Service buildings and equipment.....		
	45,075,645.22	1,815,681.56

COMMISSION OF ONTARIO

—October 31, 1939

Georgian Bay system	Eastern Ontario system	Thunder Bay system	Total for power undertakings operated on a "cost basis"
\$ c. 169,378.64 94,107.00 6,775.15	\$ c. 331,613.56 177,396.00 13,264.54	\$ c. 128,359.92 46,158.54 5,134.40	\$ c. 5,184,077.45 317,661.54 207,363.10
270,260.79	522,274.10	179,652.86	5,709,102.09
270,260.79	522,274.10	179,652.86	5,709,102.09

COMMISSION OF ONTARIO

—October 31, 1939

Eastern Ontario system	Thunder Bay system	Non-System properties	Service and administrative buildings and equipment	Totals for power undertakings operated on a "cost basis"
\$ c. 2,338,308.40 240,371.26 93,532.34	\$ c. 2,339,888.69 291,029.60 93,595.56	\$ c. 18,600.40 454.30 1,750.90 1,737.60 762.18	\$ c. 448,108.41 25,826.20 17,924.34	\$ c. 47,911,847.47 454.30 2,945,855.99 27,563.80 1,917,495.40
2,672,212.00	2,724,513.85	23,305.38	491,858.95	52,803,216.96
2,434,728.42 237,483.58	2,718,823.42 5,690.43 ..... ..... ..... ..... ..... ..... ..... .....	..... ..... ..... 16,004.05 3,447.23 3,071.40 782.70 ..... ..... .....	..... ..... ..... ..... ..... ..... 301,027.21 190,831.74	50,824,553.22 1,445,989.32 17,510.09 16,004.05 3,447.23 3,071.40 782.70 301,027.21 190,831.74
2,672,212.00	2,724,513.85	23,305.38	491,858.95	52,803,216.96

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

Account with

The Provincial Treasurer of the Province of Ontario

As at October 31, 1939

ADVANCES FROM THE PROVINCE OF ONTARIO

	Total	Northern Ontario Properties operated for the Province of Ontario	Niagara and other systems operated on a "cost basis"
	\$ c.	\$ c.	\$ c.
ADVANCES FOR CAPITAL EXPENDITURES:			
Cash advances made by the Province to the Commission for capital expenditures purposes during the years 1909 to 1934, inclusive.	207,250,258.34	8,272,889.39	198,977,368.95
Cash returned by the Commission to the Province on April 30, 1935, to cover the difference between advances made by the Province to the Commission during the year ended October 31, 1934, and the capital expenditures made out of such advances by the Commission in that year.	247,507.98	74,001.99	173,505.99
Total advances for capital expenditures.	207,002,750.36	8,198,887.40	198,803,862.96
REPAYMENTS OF ADVANCES—1926-33:			
Cash repayments made by the Commission to the Province during the years 1926 to 1933 inclusive, which have been applied in each subsequent year to reduce the Commission's share in maturing Provincial obligations.	17,008,616.73	.....	17,008,616.73
Commission's share in Provincial bonds at October 31, 1934.	189,994,133.63	8,198,887.40	181,795,246.23
REPAYMENTS OF ADVANCES:			
Retirements of Commission's share of Provincial bonds matured in the period November 1, 1934, to October 31, 1939—			
In year ended Oct. 31, 1935. . . \$ 3,946,628.69			
" " " " 1936. . . 21,998,092.45			
" " " " 1937. . . 13,557,615.63			
" " " " 1938. . . 1,777,019.93			
" " " " 1939. . . 2,151,516.02	43,430,872.72	1,975,602.58	41,455,270.14
Commission's share in Provincial bonds at October 31, 1939.	146,563,260.91	6,223,284.82	140,339,976.09

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

STATEMENTS FOR MUNICIPALITIES
RECEIVING POWER UNDER COST CONTRACTS

For the Year ended October 31, 1939

STATEMENTS FOR EACH SYSTEM

Cost of Power

Credit or Charge

Sinking Fund

Rural Operating

NIAGARA

Statement showing the amount chargeable (upon annual adjustment) to each
it by the Commission; the amount received by the Commission
or charged to each Municipality in respect of power

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system	Average horse- power supplied in year after correction for power factor	Share of operating	
	To Dec. 31, 1938	From Jan. 1, 1939			Cost of power pur- chased	Operating, main- tenance and adminis- trative expenses
	\$ c.	\$ c.	\$ c.		\$ c.	\$ c.
Acton	27.50	28.50	241,565.86	954.6	6,459.36	5,074.53
Agincourt	35.50	35.50	52,122.21	186.8	1,263.99	1,248.68
Ailsa Craig	46.50	44.00	36,930.40	109.6	741.62	1,206.45
Alvinston	70.50	68.00	39,482.04	89.3	604.25	1,360.02
Amherstburg	33.50	33.50	236,396.47	842.1	5,698.12	6,025.52
Ancaster twp.	27.50	27.50	80,125.10	351.0	2,375.06	1,796.01
Arkona	67.50	65.00	26,494.11	53.5	362.01	1,055.87
Aylmer	30.50	30.50	153,582.81	611.5	4,137.75	3,670.75
Ayr	29.50	29.50	49,254.84	196.2	1,327.60	1,212.00
Baden	28.50	28.50	79,018.68	325.5	2,202.52	1,897.35
Beachville	28.50	28.50	111,615.18	455.9	3,084.88	2,735.56
Beamsville	26.00	26.00	85,739.32	408.2	2,762.11	1,785.88
Belle River	35.50	34.50	43,929.72	160.2	1,084.00	1,326.72
Blenheim	34.50	34.50	128,712.41	497.7	3,367.72	3,692.17
Blyth	49.50	47.00	39,691.03	111.7	755.82	1,385.04
Bolton	38.50	38.50	44,481.78	153.8	1,040.70	1,005.80
Bothwell	42.50	42.50	35,768.79	124.5	842.44	1,505.21
Brampton	27.00	27.00	577,358.79	2,720.2	18,406.40	15,362.58
Brantford	22.50	23.50	3,175,944.86	15,216.9	102,966.09	60,664.52
Brantford twp.	27.50	27.50	160,975.14	756.1	5,116.20	5,626.09
Bridgeport	31.50	31.50	34,348.04	128.4	868.83	717.55
Brigden	60.50	55.00	31,080.64	79.5	537.94	1,145.88
Brussels	45.50	44.00	45,643.74	133.4	902.66	1,551.30
Burford	30.50	30.50	43,012.98	174.2	1,178.73	1,105.60
Burgessville	50.50	50.50	16,565.67	47.8	323.44	742.78
Caledonia	27.50	27.50	81,569.25	351.9	2,381.15	2,143.17
Campbellville	55.50	55.50	13,718.53	34.2	231.42	456.58
Cayuga	43.50	42.00	42,574.64	130.2	881.01	1,266.30
Chatham	26.50	26.50	1,328,843.48	5,856.1	39,625.66	28,858.74
Chippawa	21.50	21.50	48,032.89	297.0	2,009.67	1,029.42
Clifford	51.50	50.00	34,034.12	86.6	585.98	921.12
Clinton	33.50	33.50	147,759.10	546.4	3,697.25	3,796.41
Comber	41.50	41.50	44,007.85	131.1	887.10	1,683.94
Cottam	40.50	40.50	24,391.25	77.2	522.38	825.16
Courtright	65.50	64.00	20,482.83	43.1	291.64	641.02
Dashwood	45.50	42.00	26,274.73	81.4	550.80	611.92
Delaware	36.50	34.00	15,755.29	64.0	433.06	473.48
Delhi	36.00	36.00	126,987.31	473.5	3,203.97	2,902.05
Dorchester	37.50	36.00	29,978.37	107.9	730.11	804.81
Drayton	51.50	50.00	47,313.52	117.4	794.39	1,424.66

SYSTEM

N—COST OF POWER

Municipality as the Cost—under Power Commission Act—of Power supplied to from each Municipality, and the amount remaining to be credited supplied to it in the year ended October 31, 1939

costs and fixed charges			Revenue received in excess of cost of power sold to private companies	Amount charged to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municipality by the Commission	Amounts remaining to be credited or charged to each municipality	
Interest	Provision for renewals	Provision for sinking fund				Credited	Charged
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
10,913.56	2,092.46	2,542.31	471.56	26,610.66	27,043.90	433.24	.....
2,344.74	466.27	548.46	92.28	5,779.86	6,629.91	850.05	.....
1,641.56	372.32	385.35	54.14	4,293.16	4,873.07	579.91	.....
1,784.50	448.14	418.35	44.11	4,571.15	6,110.35	1,539.20	.....
10,535.53	2,100.10	2,466.67	415.99	26,409.95	28,210.90	1,800.95	.....
3,608.33	641.35	841.66	173.39	9,089.02	9,652.93	563.91	.....
1,185.56	307.75	278.19	26.43	3,162.95	3,503.30	340.35	.....
6,881.87	1,311.53	1,612.44	302.07	17,312.27	18,652.25	1,339.98	.....
2,218.08	423.56	518.27	96.92	5,602.59	5,787.89	185.30	.....
3,560.43	660.90	831.55	160.79	8,991.96	9,277.28	285.32	.....
5,046.22	946.64	1,179.10	225.21	12,767.19	12,994.23	227.04	.....
3,855.33	675.84	902.34	201.65	9,779.85	10,614.26	834.41	.....
1,970.27	389.49	462.21	79.14	5,153.55	5,554.83	401.28	.....
5,806.95	1,114.20	1,357.10	245.86	15,092.28	17,170.65	2,078.37	.....
1,776.93	413.05	417.46	55.18	4,693.12	5,295.13	602.01	.....
1,995.14	422.86	468.09	75.98	4,856.61	5,922.58	1,065.97	.....
1,608.91	332.21	377.03	61.50	4,604.30	5,289.10	684.80	.....
25,978.49	4,338.51	6,074.26	1,343.74	68,816.50	73,444.22	4,627.72	.....
146,486.67	24,841.63	33,900.04	5,982.17	362,876.78	359,010.28	.....	3,866.50
7,258.75	1,202.01	1,695.25	373.45	20,524.85	20,793.65	268.80	.....
1,548.64	308.36	361.48	63.43	3,741.43	4,044.98	303.55	.....
1,392.73	335.28	327.73	39.27	3,700.29	4,449.45	749.16	.....
2,049.69	467.46	480.41	65.90	5,385.62	5,904.74	519.12	.....
1,932.04	365.28	452.59	86.05	4,948.19	5,312.20	364.01	.....
734.01	167.70	171.68	23.61	2,116.00	2,413.46	297.46	.....
3,652.21	657.12	853.73	173.83	9,513.55	9,676.33	162.78	.....
578.99	139.31	135.87	16.89	1,525.28	1,898.56	373.28	.....
1,932.70	438.90	453.31	64.32	4,907.90	5,504.18	596.28	.....
59,843.08	10,278.10	13,980.06	2,892.83	149,692.81	155,187.46	5,494.65	.....
2,114.44	259.76	493.68	146.71	5,760.26	6,386.21	625.95	.....
1,530.75	369.59	358.29	42.78	3,722.95	4,350.09	627.14	.....
6,674.37	1,326.74	1,555.03	269.91	16,779.89	17,771.45	991.56	.....
1,972.47	441.21	461.17	64.76	5,381.13	5,439.93	58.80	.....
1,027.51	212.97	240.48	38.14	2,790.36	3,126.60	336.24	.....
919.58	235.75	215.56	21.29	2,282.26	2,769.62	487.36	.....
1,172.45	261.68	275.78	40.21	2,832.42	3,463.99	631.57	.....
702.58	132.22	165.21	31.62	1,874.93	2,201.72	326.79	.....
5,728.30	1,144.17	1,336.41	233.90	14,081.00	17,047.20	2,966.20	.....
1,341.93	274.56	314.79	53.30	3,412.90	3,914.45	501.55	.....
2,123.93	517.96	497.60	57.99	5,300.55	5,898.25	597.70	.....

NIAGARA

Statement showing the amount chargeable (upon annual adjustment) to each it by the Commission; the amount received by the Commission or charged to each Municipality in respect of power

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system	Average horse-power supplied in year after correction for power factor	Share of operating	
	To Dec. 31, 1938	From Jan. 1, 1939			Cost of power purchased	Operating, maintenance and administrative expenses
	\$ c.	\$ c.	\$ c.		\$ c.	\$ c.
Dresden.....	39.50	38.00	108,544.90	377.0	2,550.99	4,030.11
Drumbo.....	36.50	35.00	24,280.62	91.9	621.85	792.89
Dublin.....	55.00	50.00	15,445.71	44.8	303.14	609.29
Dundas.....	22.50	22.50	369,251.71	1,797.4	12,162.22	6,475.45
Dunville.....	27.50	27.50	209,983.13	1,068.9	7,232.78	4,327.19
Dutton.....	33.50	33.50	61,228.16	236.3	1,598.94	2,034.86
Elmira.....	31.50	30.00	182,930.99	707.4	4,786.67	3,387.94
Elora.....	31.50	31.50	93,059.64	350.3	2,370.33	2,517.64
Embro.....	42.50	40.00	30,078.43	103.4	699.66	949.32
Erieau.....	49.50	48.00	30,352.44	88.0	595.46	878.33
Erie Beach.....	60.50	55.00	8,446.32	22.5	152.25	418.83
Essex.....	31.50	31.50	120,482.12	451.7	3,056.46	2,798.82
Etobicoke twp.....	23.50	23.50	1,202,202.16	5,732.1	38,786.61	22,853.99
Exeter.....	34.50	34.50	140,337.13	510.9	3,457.04	3,362.41
Fergus.....	31.50	31.50	287,812.90	1,105.2	7,478.40	6,742.01
Fonthill.....	29.50	29.50	29,285.38	130.2	881.01	684.88
Forest.....	41.50	40.00	142,747.53	453.0	3,065.25	4,145.13
Forest Hill Village.....	26.34	26.34	1,339,552.80	6,492.5	43,931.90	31,931.46
Galt.....	22.50	24.00	1,624,950.04	7,584.2	51,318.95	32,707.32
Georgetown.....	31.50	31.50	381,310.76	1,413.5	9,564.53	8,062.24
Glencoe.....	51.50	50.00	74,165.08	199.0	1,346.55	2,786.94
Goderich.....	38.50	37.50	377,812.80	1,249.2	8,452.79	8,692.29
Granton.....	48.50	45.00	21,115.82	63.6	430.35	642.48
Guelph.....	23.50	23.50	2,049,891.73	9,698.6	65,626.17	42,964.14
Hagersville.....	28.50	28.50	173,525.71	658.5	4,455.78	3,472.14
Hamilton.....	20.00	21.25	20,301,171.66	103,230.9	698,518.21	337,905.07
Harriston.....	38.50	37.50	110,345.99	372.6	2,521.22	2,868.12
Harrow.....	34.50	34.50	121,623.76	420.0	2,841.96	2,560.07
Hensall.....	45.50	45.50	62,618.93	175.1	1,184.82	1,371.48
Hespeler.....	24.50	24.50	456,612.41	2,143.9	14,506.83	9,394.68
Highgate.....	42.50	42.50	23,686.67	75.2	508.85	766.72
Humberstone.....	24.50	24.50	86,437.25	436.7	2,954.96	1,823.14
Ingersoll.....	24.50	25.50	530,452.18	2,374.7	16,068.56	11,711.12
Jarvis.....	35.50	35.50	57,812.32	170.0	1,150.32	1,250.30
Kingsville.....	34.50	33.50	162,454.19	584.3	3,953.70	3,530.63

SYSTEM

N—COST OF POWER

Municipality as the Cost—under Power Commission Act—of Power supplied to from each Municipality, and the amount remaining to be credited supplied to it in the year ended October 31, 1939

costs and fixed charges			Revenue received in excess of cost of power sold to private companies	Amount charged to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municipality by the Commission	Amounts remaining to be credited or charged to each municipality	
Interest	Provision for renewals	Provision for sinking fund				Credited	Charged
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
4,863.38	1,007.27	1,142.60	186.23	13,408.12	14,422.22	1,014.10	.....
1,089.42	216.62	255.55	45.40	2,930.93	3,239.88	308.95	.....
689.50	158.68	162.53	22.13	1,901.01	2,275.82	374.81	.....
16,611.35	2,668.41	3,877.69	887.89	40,907.23	40,440.95	.....	466.28
9,432.68	1,547.72	2,210.78	528.02	24,223.13	29,394.26	5,171.13	.....
2,670.47	510.36	625.58	116.73	7,323.48	7,916.74	593.26	.....
8,205.89	1,604.48	1,925.26	349.45	19,560.79	21,396.22	1,835.43	.....
4,171.96	827.37	974.71	173.04	10,688.97	11,034.43	345.46	.....
1,348.79	287.14	318.27	51.08	3,552.10	4,177.82	625.72	.....
1,363.26	310.91	319.92	43.47	3,424.41	4,240.04	815.63	.....
376.51	89.79	89.02	11.11	1,115.29	1,245.75	130.46	.....
5,416.97	1,047.64	1,267.76	223.13	13,364.52	14,227.46	862.94	.....
54,229.96	8,923.08	12,646.05	2,831.58	134,608.11	134,704.13	96.02	.....
6,305.66	1,278.25	1,475.27	252.38	15,626.25	17,626.05	1,999.80	.....
12,831.62	2,513.94	3,007.53	545.95	32,027.55	34,814.05	2,786.50	.....
1,185.88	198.70	276.79	64.31	3,162.95	3,841.37	678.42	.....
6,381.85	1,382.03	1,496.47	223.78	16,246.95	18,233.55	1,986.60	.....
60,313.68	9,125.57	14,091.94	3,207.21	156,187.34	171,011.53	14,824.19	.....
73,527.96	12,201.28	17,111.76	3,746.49	183,120.78	180,108.55	.....	3,012.23
17,194.58	3,453.86	4,014.03	698.25	41,590.99	44,524.46	2,933.47	.....
3,334.53	785.91	781.58	98.30	8,937.21	9,997.45	1,060.24	.....
17,014.33	3,633.25	3,976.36	617.09	41,151.93	45,687.89	4,535.96	.....
939.09	213.15	221.57	31.42	2,415.22	2,896.45	481.23	.....
92,474.83	15,188.12	21,567.73	4,790.97	233,030.02	227,917.46	.....	5,112.56
7,779.79	1,539.29	1,814.94	325.29	18,736.65	18,767.94	31.29	.....
916,237.28	139,899.96	213,285.15	50,994.64	2,254,851.03	2,172,057.73	.....	82,793.30
4,955.48	1,048.83	1,161.56	184.06	12,371.15	14,032.67	1,661.52	.....
5,457.59	1,115.43	1,277.99	207.47	13,045.57	14,490.27	1,444.70	.....
2,810.39	655.91	658.52	86.50	6,594.62	7,965.16	1,370.54	.....
20,601.57	3,408.10	4,808.40	1,059.06	51,660.52	52,524.90	864.38	.....
1,066.32	231.52	249.40	37.15	2,785.66	3,194.93	409.27	.....
3,900.19	632.30	909.74	215.72	10,004.61	10,698.79	694.18	.....
24,048.78	4,165.61	5,604.49	1,173.07	60,425.49	60,147.59	.....	277.90
2,554.39	579.20	596.18	83.98	6,046.41	6,033.50	.....	12.91
7,288.52	1,451.69	1,707.67	288.64	17,643.57	19,681.44	2,037.87	.....

NIAGARA

Statement showing the amount chargeable (upon annual adjustment) to each it by the Commission; the amount received by the Commission or charged to each Municipality in respect of power

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system	Average horse-power supplied in year after correction for power factor	Share of operating	
	To Dec. 31, 1938	From Jan. 1, 1939			Cost of power purchased	Operating maintenance and administrative expenses
	\$ c.	\$ c.	\$ c.		\$ c.	\$ c.
Kitchener.....	22.50	23.50	4,387,059.57	20,814.7	140,843.94	82,057.18
Lambeth.....	37.50	37.50	33,317.71	117.4	794.39	967.31
LaSalle.....	32.50	32.50	60,273.02	221.4	1,498.12	1,616.98
Leamington.....	33.50	32.50	455,702.72	1,627.6	11,013.26	9,861.23
Listowel.....	32.50	31.50	277,267.90	1,089.7	7,373.52	6,967.32
London.....	22.50	23.00	7,434,322.19	35,213.8	238,276.33	130,349.43
London twp.....	29.50	29.50	118,510.92	488.7	3,306.82	2,531.62
Long Branch.....	25.50	25.50	211,853.23	934.3	6,322.00	4,226.29
Lucan.....	33.50	33.50	45,467.69	179.9	1,217.30	1,335.33
Lynden.....	33.50	33.50	22,919.71	89.5	605.61	726.97
Markham.....	32.50	32.50	84,567.86	337.2	2,281.68	2,436.80
Merlin.....	41.50	41.50	24,040.79	78.3	529.82	845.50
Merritton.....	19.50	20.00	977,953.69	5,681.2	38,442.19	17,841.61
Milton.....	30.50	30.50	230,841.96	977.8	6,616.34	6,505.91
Milverton.....	31.50	31.50	82,058.86	315.8	2,136.88	1,887.36
Mimico.....	21.50	22.50	471,973.43	2,349.4	15,897.36	9,327.94
Mitchell.....	29.50	29.50	132,103.29	543.7	3,678.98	3,851.87
Moorefield.....	60.50	58.00	15,416.60	33.5	226.68	501.80
Mount Brydges.....	37.50	37.50	27,327.18	101.4	686.13	885.86
Newbury.....	49.50	49.50	12,508.45	35.7	241.57	500.89
New Hamburg.....	30.50	30.50	132,010.59	521.3	3,527.41	2,787.43
New Toronto.....	25.50	25.50	1,543,629.54	6,899.8	46,687.92	30,797.61
Niagara Falls.....	17.00	17.00	1,268,075.00	9,219.7	62,385.66	23,621.04
Niagara-on-the-Lake.....	22.50	22.50	90,633.10	564.7	3,821.08	2,376.81
Norwich.....	30.50	30.50	102,654.36	409.0	2,767.52	2,769.20
Oil Springs.....	39.50	38.50	61,902.88	207.0	1,400.68	1,932.62
Otterville.....	40.50	40.50	34,661.16	115.2	779.51	984.83
Palmerston.....	35.50	34.00	135,748.61	499.6	3,380.57	3,685.42
Paris.....	23.50	24.50	288,065.32	1,352.0	9,148.39	5,949.97
Parkhill.....	55.50	55.50	69,036.00	160.7	1,087.39	1,635.34
Petrolia.....	35.50	35.50	289,926.82	1,033.0	6,989.86	8,019.49
Plattsville.....	45.50	44.00	32,242.23	88.0	595.46	940.18
Point Edward.....	33.50	33.50	288,998.55	1,163.9	7,875.60	10,870.58
Port Colborne.....	24.50	24.50	358,852.15	1,813.0	12,267.78	7,159.88
Port Credit.....	29.50	29.50	174,654.03	732.7	4,957.86	4,732.49

SYSTEM

N—COST OF POWER

Municipality as the Cost—under Power Commission Act—of Power supplied to from each Municipality, and the amount remaining to be credited supplied to it in the year ended October 31, 1939

costs and fixed charges			Revenue received in excess of cost of power sold to private companies	Amount charged to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municipality by the Commission	Amounts remaining to be credited or charged to each municipality	
Interest	Provision for renewals	Provision for sinking fund				Credited	Charged
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
198,174.54	32,273.05	46,163.05	10,282.17	489,229.59	485,679.14	.....	3,550.45
1,491.83	308.94	349.68	57.99	3,854.16	4,401.87	547.71	.....
2,710.59	530.43	633.28	109.37	6,880.03	7,194.40	314.37	.....
20,407.41	4,083.06	4,784.38	804.01	49,345.33	53,162.06	3,816.73	.....
12,459.47	2,385.67	2,918.50	538.30	31,566.18	34,499.24	2,933.06	.....
334,542.46	54,339.81	77,981.12	17,395.13	818,094.02	806,781.40	.....	11,312.62
5,314.19	984.43	1,243.90	241.41	13,139.55	14,415.15	1,275.60	.....
9,288.07	1,606.35	2,167.90	461.53	23,149.08	23,823.80	674.72	.....
2,034.17	389.00	476.58	88.87	5,363.51	6,027.19	663.68	.....
1,026.52	200.86	240.82	44.21	2,756.57	2,997.47	240.90	.....
3,805.81	698.52	889.54	166.57	9,945.78	10,958.18	1,012.40	.....
1,081.66	231.74	253.13	38.68	2,903.17	3,248.96	345.79	.....
44,083.94	5,986.15	10,259.07	2,806.43	113,806.53	113,139.29	.....	667.24
10,316.66	1,884.37	2,411.50	483.02	27,251.76	29,823.89	2,572.13	.....
3,694.56	716.96	863.76	156.00	9,143.52	9,947.30	803.78	.....
21,340.26	3,346.75	4,965.21	1,160.57	53,716.95	52,394.80	.....	1,322.15
5,945.07	1,094.44	1,388.86	268.58	15,690.64	16,040.22	349.58	.....
690.47	176.54	162.16	16.55	1,741.10	1,959.46	218.36	.....
1,224.05	244.96	286.66	50.09	3,277.57	3,801.87	524.30	.....
568.39	130.90	133.13	17.64	1,557.24	1,765.08	207.84	.....
5,934.89	1,140.35	1,389.26	257.52	14,521.82	15,900.39	1,378.57	.....
69,566.15	12,182.00	16,233.91	3,408.41	172,059.18	175,944.23	3,885.05	.....
57,425.11	5,245.74	13,347.19	4,554.41	157,470.33	156,734.17	.....	736.16
4,074.11	512.54	951.76	278.95	11,457.35	12,706.67	1,249.32	.....
4,525.11	848.63	1,057.36	202.04	11,765.78	12,474.48	708.70	.....
2,783.28	585.90	651.79	102.26	7,252.01	8,004.39	752.38	.....
1,527.65	325.25	358.34	56.91	3,918.67	4,666.26	747.59	.....
6,097.54	1,220.24	1,426.84	246.80	15,563.81	17,107.32	1,543.51	.....
13,002.85	2,148.49	3,030.72	667.87	32,612.55	32,899.42	286.87	.....
3,053.13	761.27	716.20	79.38	7,173.95	8,918.83	1,744.88	.....
13,028.28	2,636.31	3,050.79	510.29	33,214.44	37,346.03	4,131.59	.....
1,447.21	342.30	339.40	43.47	3,621.08	3,890.74	269.66	.....
12,989.78	2,404.10	3,039.86	574.95	36,604.97	38,991.74	2,386.77	.....
16,183.80	2,625.06	3,776.88	895.60	41,117.80	44,417.88	3,300.08	.....
7,566.44	1,360.12	1,770.58	361.94	20,025.55	21,613.16	1,587.61	.....

NIAGARA

Statement showing the amount chargeable (upon annual adjustment) to each it by the Commission; the amount received by the Commission or charged to each Municipality in respect of power

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system	Average horsepower supplied in year after correction for power factor	Share of operating	
	To Dec. 31, 1938	From Jan. 1, 1939			Cost of power purchased	Operating, maintenance and administrative expenses
	\$ c.	\$ c.	\$ c.		\$ c.	\$ c.
Port Dalhousie.....	25.50	25.50	151,700.33	745.9	5,047.18	3,472.09
Port Dover.....	33.50	32.50	106,309.68	386.6	2,615.95	2,275.91
Port Rowan.....	50.50	45.00	26,174.53	82.2	556.21	598.97
Port Stanley.....	34.50	34.50	137,158.68	475.9	3,220.21	3,699.32
Preston.....	22.50	24.00	619,612.72	2,961.1	20,036.46	12,814.70
Princeton.....	40.50	40.50	40,528.56	106.8	722.67	1,319.16
Queenston.....	24.50	24.50	21,356.04	123.5	835.67	481.04
Richmond Hill.....	30.50	30.50	93,670.53	403.7	2,731.66	2,765.08
Ridgetown.....	33.50	33.50	141,544.40	537.3	3,635.67	3,735.51
Riverside.....	29.50	29.50	249,111.08	923.4	6,248.24	5,309.24
Rockwood.....	35.50	35.50	32,711.38	113.6	768.68	942.70
Rodney.....	45.00	44.00	54,831.50	165.6	1,120.54	1,911.99
St. Catharines.....	18.50	20.00	2,395,750.02	13,879.8	93,918.52	42,847.55
St. Clair Beach.....	35.50	35.50	24,920.25	82.6	558.92	894.18
St. George.....	35.50	35.50	43,726.49	147.0	994.68	1,138.17
St. Jacobs.....	29.50	29.50	74,692.92	312.4	2,113.87	1,651.93
St. Marys.....	31.50	30.50	342,378.91	1,406.9	9,519.87	10,496.38
St. Thomas.....	23.50	23.50	1,585,695.17	7,594.5	51,388.65	31,742.81
Sarnia.....	28.50	28.50	2,004,971.65	7,975.9	53,969.42	45,412.50
Scarboro twp.....	27.50	27.50	823,645.04	3,584.9	24,257.45	15,085.14
Seaforth.....	30.50	30.50	130,126.04	510.3	3,452.98	3,417.99
Simcoe.....	25.50	25.50	473,024.38	2,153.2	14,569.76	10,034.46
Springfield.....	43.50	43.50	21,492.88	59.7	403.96	634.77
Stamford twp.....	17.50	17.50	314,296.22	2,265.3	15,328.29	6,126.64
Stouffville.....	40.50	40.50	70,258.36	239.6	1,621.27	2,096.01
Stratford.....	25.50	25.50	1,571,230.56	7,079.3	47,902.52	33,860.67
Strathroy.....	29.50	29.50	298,396.51	1,226.9	8,301.89	6,023.87
Streetsville.....	35.50	34.00	32,314.71	137.1	927.70	1,144.50
Sutton.....	47.50	43.00	78,210.48	240.5	1,627.36	2,697.43
Swansea.....	29.00	29.00	508,474.44	2,525.8	17,090.98	17,418.05
Tavistock.....	31.50	31.50	146,253.57	575.2	3,892.13	3,585.03
Tecumseh.....	32.50	32.50	84,230.44	291.0	1,969.07	2,344.45
Thamesford.....	35.50	34.00	56,026.18	198.6	1,343.84	1,379.15
Thamesville.....	35.50	35.50	58,727.03	221.9	1,501.50	1,790.09
Thedford.....	62.50	55.00	34,138.96	79.2	535.91	1,321.19

SYSTEM

N—COST OF POWER

Municipality as the Cost—under Power Commission Act—of Power supplied to from each Municipality, and the amount remaining to be credited supplied to it in the year ended October 31, 1939

costs and fixed charges			Revenue received in excess of cost of power sold to private companies	Amount charged to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municipality by the Commission	Amounts remaining to be credited or charged to each municipality	
Interest	Provision for renewals	Provision for sinking fund	Credit			Credited	Charged
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
6,815.01	1,135.05	1,592.02	368.46	17,692.89	19,019.59	1,326.70	.....
4,630.48	926.34	1,085.64	190.98	11,343.34	12,626.73	1,283.39	.....
1,161.49	260.59	275.49	40.61	2,812.14	3,774.95	962.81	.....
6,158.88	1,285.20	1,440.56	235.09	15,569.08	16,419.40	850.32	.....
28,010.22	4,535.69	6,520.85	1,462.74	70,455.18	70,320.97	.....	134.21
1,482.99	324.13	347.80	52.76	4,143.99	4,325.73	181.74	.....
961.02	135.81	224.80	61.01	2,577.33	3,026.14	448.81	.....
4,207.06	722.54	985.12	199.42	11,212.04	12,313.60	1,101.56	.....
6,382.05	1,238.75	1,490.28	265.42	16,216.84	18,000.10	1,783.26	.....
11,229.80	2,182.83	2,620.55	456.15	27,134.51	27,239.55	105.04	.....
1,472.32	308.58	344.36	56.12	3,780.52	4,032.78	252.26	.....
2,463.93	555.20	577.09	81.80	6,546.95	7,314.62	767.67	.....
108,217.22	14,714.67	25,127.11	6,856.43	277,968.64	274,010.57	.....	3,958.07
1,123.77	234.81	262.18	40.80	3,033.06	2,930.49	.....	102.57
1,882.21	392.64	441.16	72.62	4,776.24	5,219.08	442.84	.....
3,358.27	617.26	786.13	154.32	8,373.14	9,216.77	843.63	.....
15,386.89	2,789.01	3,601.62	694.99	41,098.78	43,138.53	2,039.75	.....
71,513.22	11,528.58	16,684.12	3,751.58	179,105.80	178,469.75	.....	636.05
90,328.40	16,842.79	21,089.77	3,939.98	223,702.90	227,313.93	3,611.03	.....
37,067.79	6,298.74	8,665.50	1,770.89	89,603.73	98,584.73	8,981.00	.....
5,871.77	1,121.03	1,369.41	252.08	14,981.10	15,563.57	582.47	.....
21,315.65	3,636.42	4,977.49	1,063.65	53,470.13	54,906.81	1,436.68	.....
966.37	225.52	225.85	29.49	2,426.98	2,594.77	167.79	.....
14,355.12	1,329.80	3,308.15	1,119.03	39,328.97	39,643.47	314.50	.....
3,149.09	648.86	739.13	118.36	8,136.00	9,702.46	1,566.46	.....
70,843.18	12,042.01	16,533.68	3,497.08	177,684.98	180,521.64	2,836.66	.....
13,390.18	2,488.94	3,135.13	606.07	32,733.94	36,192.06	3,458.12	.....
1,451.29	267.79	340.63	67.73	4,064.18	4,699.71	635.53	.....
3,482.84	763.95	820.99	118.80	9,273.77	10,475.53	1,201.76	.....
22,854.21	3,360.31	5,348.96	1,247.71	64,824.80	73,247.21	8,422.41	.....
6,569.94	1,255.26	1,537.71	284.14	16,555.93	18,120.10	1,564.17	.....
3,798.61	773.79	886.13	143.75	9,628.30	9,456.14	.....	172.16
2,462.41	501.84	576.95	98.11	6,166.08	6,802.28	636.20	.....
2,644.11	515.65	618.32	109.62	6,960.05	7,877.73	917.68	.....
1,521.61	379.37	358.33	39.12	4,077.29	4,472.42	395.13	.....

NIAGARA

Statement showing the amount chargeable (upon annual adjustment) to each
it by the Commission; the amount received by the Commission
or charged to each Municipality in respect of power

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system	Average horse- power supplied in year after correction for power factor	Share of operating	
	To Dec. 31, 1938	From Jan. 1, 1939			Cost of power pur- chased	Operating, main- tenance and adminis- trative expenses
	\$ c.	\$ c.	\$ c.		\$ c.	\$ c.
Thorndale.....	60.50	50.00	20,999.69	62.9	425.62	677.95
Thorold.....	20.50	21.00	395,449.44	2,183.6	14,775.46	8,007.03
Tilbury.....	33.50	33.50	144,603.95	541.5	3,664.09	4,114.89
Tillsonburg.....	28.50	28.50	306,689.68	1,291.5	8,739.01	6,892.34
Toronto.....	21.60	22.60	62,233,019.91	310,080.1	2,098,176.00	1,069,626.62
Toronto twp.....	27.50	27.50	557,584.34	2,426.3	16,417.71	14,566.61
Trafalgar twp. (area No. 1).....	26.50	26.50	96,005.91	410.1	2,774.97	2,183.78
Trafalgar twp. (area No. 2).....	27.50	27.50	32,310.62	128.0	866.11	755.77
Wallaceburg.....	31.50	31.50	598,276.32	2,289.9	15,494.75	17,089.00
Wardsville.....	57.50	57.50	13,487.87	37.2	251.72	578.53
Waterdown.....	27.50	27.50	51,546.68	223.0	1,508.94	1,164.75
Waterford.....	27.50	27.50	95,787.72	412.5	2,791.21	2,069.62
Waterloo.....	22.50	24.00	845,463.79	3,963.6	26,819.94	16,563.34
Watford.....	45.50	45.50	91,467.61	284.2	1,923.06	2,646.02
Welland.....	19.50	19.50	911,106.79	5,765.4	39,011.93	17,003.51
Wellesley.....	45.50	44.00	33,249.04	104.4	706.43	792.56
West Lorne.....	36.50	36.50	35,244.63	126.7	857.32	1,335.26
Weston.....	22.50	23.00	739,204.21	3,611.0	24,434.05	14,164.07
Wheatley.....	48.50	45.00	61,573.56	169.0	1,143.55	1,425.53
Windsor.....	26.00	26.00	8,630,870.59	37,083.5	250,927.78	146,262.89
Woodbridge.....	30.50	30.50	114,043.98	471.7	3,191.79	2,397.93
Woodstock.....	23.50	24.50	1,383,372.50	6,458.7	43,703.19	27,768.05
Wyoming.....	47.50	47.50	25,764.20	69.3	468.92	803.93
York twp., East.....	27.50	27.50	1,315,730.32	6,522.4	44,134.22	56,702.44
York twp., North.....	27.50	27.50	963,506.64	4,316.5	29,207.86	26,136.65
Zurich.....	57.50	55.00	38,044.65	96.1	650.27	1,059.22
Ontario Reformatory.....			66,563.10	298.5	2,019.82	1,488.40
Toronto Transportation Commission.....			82,186.27	398.8	2,698.50	1,556.92
Totals—Municipalities.....			151,320,994.90	729,550.3	4,936,546.85	2,865,978.44
Totals—Rural power districts.....			11,192,574.59	44,935.7	304,060.28	259,987.66
Totals—Companies.....			39,554,054.94	225,885.4	1,528,467.31	903,282.97
Totals—Local distribution systems.....			1,379,074.01	4,676.2	31,641.79	71,672.85
			203,446,698.44			
Non-operating capital.....			623,152.91			
Grand Totals.....			204,069,851.35	1,005,047.6	6,800,716.23	4,100,921.92

SYSTEM

N—COST OF POWER

Municipality as the Cost—under Power Commission Act—of power supplied to from each Municipality, and the amount remaining to be credited supplied to it in the year ended October 31, 1939

costs and fixed charges			Revenue received in excess of cost of power sold to private companies	Amount charged to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municipality by the Commission	Amounts remaining to be credited or charged to each municipality	
Interest	Provision for renewals	Provision for sinking fund				Credited	Charged
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
918.96	212.90	220.61	31.07	2,424.97	3,248.57	823.60	.....
17,848.71	2,599.75	4,152.98	1,078.67	46,305.26	45,677.51	.....	627.75
6,512.68	1,276.33	1,521.51	267.49	16,822.01	18,141.69	1,319.68	.....
13,864.09	2,540.13	3,240.82	637.98	34,638.41	36,807.52	2,169.11	.....
2,811,989.23	409,679.89	654,666.46	153,175.36	6,890,962.84	6,947,568.00	56,605.16	.....
25,092.53	4,492.99	5,855.47	1,198.56	65,226.75	66,723.45	1,496.70	.....
4,332.29	788.69	1,010.26	202.58	10,887.41	10,867.41	.....	20.00
1,437.24	274.17	334.98	63.23	3,605.04	3,519.06	.....	85.98
26,943.39	5,206.82	6,300.43	1,131.18	69,903.21	72,130.81	2,227.60	.....
602.92	141.26	142.14	18.38	1,698.19	2,139.95	441.76	.....
2,314.81	417.08	541.48	110.16	5,836.90	6,132.19	295.29	.....
4,315.19	774.16	1,007.98	203.77	10,754.39	11,343.83	589.44	.....
38,205.63	6,296.53	8,896.51	1,957.96	94,823.99	94,144.93	.....	679.06
4,148.44	913.48	971.44	140.39	10,462.05	12,931.07	2,469.02	.....
41,182.73	5,035.30	9,589.78	2,848.03	108,975.22	112,424.33	3,449.11	.....
1,530.27	343.25	358.87	51.58	3,679.80	4,625.80	946.00	.....
1,586.47	324.20	370.91	62.59	4,411.57	4,623.93	212.36	.....
33,398.92	5,350.72	7,776.64	1,783.78	83,340.62	82,749.88	.....	590.74
2,751.74	637.77	646.88	83.48	6,521.99	7,702.01	1,180.02	.....
388,335.77	67,059.17	90,777.48	18,318.74	925,044.35	964,170.89	39,126.54	.....
5,118.67	961.20	1,199.95	233.01	12,636.53	14,387.10	1,750.57	.....
62,720.77	10,443.00	14,620.66	3,190.51	156,065.16	157,149.50	1,084.34	.....
1,159.45	271.57	271.15	34.23	2,940.79	3,292.93	352.14	.....
59,383.23	8,717.72	13,841.02	3,221.98	179,556.65	179,365.52	.....	191.13
43,117.86	7,089.53	10,060.87	2,132.29	113,480.48	118,704.43	5,223.95	.....
1,701.63	414.31	399.55	47.47	4,177.51	5,326.43	1,148.92	.....
2,993.09	519.54	700.37	147.45	7,573.77	8,060.14	486.37	.....
3,666.13	599.15	864.63	197.00	9,188.33	11,676.34	2,488.01	.....
6,829,212.36	1,071,407.90	1,591,311.73	(358,853.04)	16,935,604.24	17,118,446.64	303,170.42	120,328.02
500,997.65	93,964.99	116,820.86	(22,197.61)	1,253,633.83	1,253,633.83	.....	.....
1,783,366.88	240,047.69	466,235.71	382,720.07	5,304,120.63	5,304,120.63	.....	.....
61,811.45	11,841.54	14,413.00	(1,669.42)	189,711.21	189,711.21	.....	.....
9,175,388.34	1,417,262.12	2,188,781.30	.....	23,683,069.91	23,865,912.31	303,170.42	120,328.02

NIAGARA

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made during the year. Also the net amount Credited ended October 31, 1939, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1938	
		Credit	Charge
		\$ c.	\$ c.
Acton	Jan. 1913	.....	640.98
Agincourt	Nov. 1922	439.08	.....
Ailsa Craig	Jan. 1916	654.50	.....
Alvinston	April 1922	561.46	.....
Amherstburg	Nov. 1925	2,533.12	.....
Ancaster twp	May 1923	68.82	.....
Arkona	Dec. 1926	433.09	.....
Aylmer	Mar. 1918	1,941.64	.....
Ayr	Jan. 1915	266.61	.....
Baden	May 1912	365.50	.....
Beachville	Aug. 1912	632.29	.....
Beamsville	May 1937	860.41	.....
Belle River	Dec. 1922	705.11	.....
Blenheim	Nov. 1915	786.84	.....
Blyth	July 1924	748.54	.....
Bolton	Feb. 1915	702.96	.....
Bothwell	Sept. 1915	469.95	.....
Brampton	Nov. 1911	4,382.99	.....
Brantford	Feb. 1914	.....	7,856.01
Brantford twp	May 1924	695.46	.....
Bridgeport	Mar. 1928	91.21	.....
Brigden	Jan. 1918	733.14	.....
Brussels	July 1924	625.41	.....
Burford	June 1915	462.51	.....
Burgessville	Nov. 1916	157.59	.....
Caledonia	Oct. 1912	585.11	.....
Campbellville	Jan. 1925	226.17	.....
Cayuga	Nov. 1924	645.14	.....
Chatham	Feb. 1915	6,752.65	.....
Chippawa	Sept. 1919	135.89	.....
Clifford	May 1924	354.50	.....
Clinton	Mar. 1914	.....	319.05
Comber	May 1915	320.49	.....
Cottam	Nov. 1926	196.59	.....
Courtright	Dec. 1923	294.64	.....
Dashwood	Sept. 1917	587.22	.....
Delaware	Mar. 1915	382.31	.....
Delhi	May 1938	139.54	.....
Dorchester	Dec. 1914	476.46	.....
Drayton	Mar. 1918	581.89	.....
Dresden	April 1915	2,026.99	.....
Drumbo	Dec. 1914	385.84	.....
Dublin	Oct. 1917	430.43	.....
Dundas	Jan. 1911	992.02	.....
Dunnville	June 1918	2,843.50	.....

SYSTEM

N—CREDIT OR CHARGE

power supplied to it to October 31, 1938, the cash receipts and payments thereon or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1939

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1939		Accumulated amount standing as a credit or charge on October 31, 1939	
Credited	Charged	Credited	Charged	Credit	Charge
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
640.98		433.24		433.24	
	439.08	850.05		850.05	
	654.50	579.91		579.91	
	561.46	1,539.20		1,539.20	
	2,533.12	1,800.95		1,800.95	
	68.82	563.91		563.91	
	433.09	340.35		340.35	
	1,941.64	1,339.98		1,339.98	
	266.61	185.30		185.30	
	365.50	285.32		285.32	
	632.29	227.04		227.04	
	860.41	834.41		834.41	
	705.11	401.28		401.28	
	786.84	2,078.37		2,078.37	
	748.54	602.01		602.01	
	702.96	1,065.97		1,065.97	
	469.95	684.80		684.80	
	4,382.99	4,627.72		4,627.72	
7,856.01			3,866.50		3,866.50
	695.46	268.80		268.80	
	91.21	303.55		303.55	
	733.14	749.16		749.16	
	625.41	519.12		519.12	
	462.51	364.01		364.01	
	157.59	297.46		297.46	
	585.11	162.78		162.78	
	226.17	373.28		373.28	
	645.14	596.28		596.28	
	6,752.65	5,494.65		5,494.65	
	135.89	625.95		625.95	
	354.50	627.14		627.14	
319.05		991.56		991.56	
	320.49	58.80		58.80	
	196.59	336.24		336.24	
	294.64	487.36		487.36	
	587.22	631.57		631.57	
	382.31	326.79		326.79	
	139.54	2,966.20		2,966.20	
	476.46	501.55		501.55	
	581.89	597.70		597.70	
	2,026.99	1,014.10		1,014.10	
	385.84	308.95		308.95	
	430.43	374.81		374.81	
	992.02		466.28		466.28
	2,843.50	5,171.13		5,171.13	

NIAGARA

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made during the year. Also the net amount Credited ended October 31, 1939, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1938	
		Credit	Charge
		\$ c.	\$ c.
Dutton.....	Sept. 1915	734.62	
Elmira.....	Nov. 1913	2,899.55	
Elora.....	Nov. 1914	505.36	
Embro.....	Jan. 1915	873.24	
Erieau.....	July 1924	500.79	
Erie Beach.....	July 1925	273.31	
Essex.....	Nov. 1923	928.93	
Etobicoke twp.....	Aug. 1917	231.39	
Exeter.....	June 1916	1,246.23	
Fergus.....	Nov. 1914	3,728.39	
Fonthill.....	June 1926	71.16	
Forest.....	Mar. 1917	2,060.38	
Forest Hill Village.....	Jan. 1938	7,308.80	
Galt.....	May 1911		8,556.50
Georgetown.....	Sept. 1913	1,281.80	
Glencoe.....	Aug. 1920	1,060.21	
Goderich.....	Feb. 1914	2,400.73	
Granton.....	July 1916	598.13	
Guelph.....	Dec. 1910	1,234.96	
Hagersville.....	Sept. 1913	239.16	
Hamilton.....	Feb. 1911		105,107.37
Harriston.....	July 1916	1,510.48	
Harrow.....	Nov. 1923	1,391.90	
Hensall.....	Jan. 1917	776.99	
Hespeler.....	Feb. 1911	1,256.67	
Highgate.....	Dec. 1916	195.00	
Humberstone.....	Oct. 1924	82.09	
Ingersoll.....	May 1911		852.84
Jarvis.....	Feb. 1924	139.72	
Kingsville.....	Nov. 1923	2,048.43	
Kitchener.....	Jan. 1911		10,021.44
Lambeth.....	April 1915	462.64	
LaSalle.....	Nov. 1925	321.35	
Leamington.....	Nov. 1923	6,333.18	
Listowel.....	June 1916	3,358.25	
London.....	Jan. 1916		6,827.13
London twp.....	Jan. 1925	1,199.94	
Long Branch.....	Jan. 1931	554.11	
Lucan.....	Feb. 1915	619.01	
Lynden.....	Nov. 1915	281.44	
Markham.....	April 1920	636.22	
Merlin.....	Dec. 1922	235.32	
Merritton.....	Nov. 1920		4,897.29
Milton.....	April 1913	1,538.00	
Milverton.....	June 1916	631.26	

SYSTEM

N—CREDIT OR CHARGE

power supplied to it to October 31, 1938, the cash receipts and payments thereon or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1939

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1939		Accumulated amount standing as a credit or charge on October 31, 1939	
Credited	Charged	Credited	Charged	Credit	Charge
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	734.62	593.26	.....	593.26	.....
.....	2,899.55	1,835.43	.....	1,835.43	.....
.....	505.36	345.46	.....	345.46	.....
.....	873.24	625.72	.....	625.72	.....
.....	500.79	815.63	.....	815.63	.....
.....	273.31	130.46	.....	130.46	.....
.....	928.93	862.94	.....	862.94	.....
.....	231.39	96.02	.....	96.02	.....
.....	1,246.23	1,999.80	.....	1,999.80	.....
.....	3,728.39	2,786.50	.....	2,786.50	.....
.....	71.16	678.42	.....	678.42	.....
.....	2,060.38	1,986.60	.....	1,986.60	.....
.....	7,308.80	14,824.19	.....	14,824.19	.....
8,556.50	.....	.....	3,012.23	.....	3,012.23
.....	1,281.80	2,933.47	.....	2,933.47	.....
.....	1,060.21	1,060.24	.....	1,060.24	.....
.....	2,400.73	4,535.96	.....	4,535.96	.....
.....	598.13	481.23	.....	481.23	.....
.....	1,234.96	.....	5,112.56	.....	5,112.56
.....	239.16	31.29	.....	31.29	.....
105,107.37	.....	.....	82,793.30	.....	82,793.30
.....	1,510.48	1,661.52	.....	1,661.52	.....
.....	1,391.90	1,444.70	.....	1,444.70	.....
.....	776.99	1,370.54	.....	1,370.54	.....
.....	1,256.67	864.38	.....	864.38	.....
.....	195.00	409.27	.....	409.27	.....
.....	82.09	694.18	.....	694.18	.....
852.84	.....	.....	277.90	.....	277.90
.....	139.72	.....	12.91	.....	12.91
.....	2,048.43	2,037.87	.....	2,037.87	.....
10,021.44	.....	.....	3,550.45	.....	3,550.45
.....	462.64	547.71	.....	547.71	.....
.....	321.35	314.37	.....	314.37	.....
.....	6,333.18	3,816.73	.....	3,816.73	.....
.....	3,358.25	2,933.06	.....	2,933.06	.....
6,827.13	.....	.....	11,312.62	.....	11,312.62
.....	1,199.94	1,275.60	.....	1,275.60	.....
.....	554.11	674.72	.....	674.72	.....
.....	619.01	663.68	.....	663.68	.....
.....	281.44	240.90	.....	240.90	.....
.....	636.22	1,012.40	.....	1,012.40	.....
.....	235.32	345.79	.....	345.79	.....
4,897.29	.....	.....	667.24	.....	667.24
.....	1,538.00	2,572.13	.....	2,572.13	.....
.....	631.26	803.78	.....	803.78	.....

NIAGARA

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made during the year. Also the net amount Credited ended October 31, 1939, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1938	
		Credit	Charge
		\$ c.	\$ c.
Mimico.....	May 1912		2,618.25
Mitchell.....	Sept. 1911	705.57	
Moorefield.....	Mar. 1918	221.78	
Mount Brydges.....	Mar. 1915	319.95	
Newbury.....	Mar. 1921	153.46	
New Hamburg.....	Mar. 1911	1,364.15	
New Toronto.....	Feb. 1914	3,455.98	
Niagara Falls.....	Dec. 1915		12,282.51
Niagara-on-the-Lake.....	Aug. 1919	471.08	
Norwich.....	May 1912	588.66	
Oil Springs.....	Feb. 1918	733.22	
Otterville.....	Feb. 1916	530.33	
Palmerston.....	July 1916	1,571.29	
Paris.....	Feb. 1914		342.93
Parkhill.....	May 1920	1,160.83	
Petrolia.....	May 1916	3,299.24	
Plattsville.....	Dec. 1914	477.57	
Point Edward.....	Nov. 1916	2,856.01	
Port Colborne.....	Mar. 1920	828.48	
Port Credit.....	Aug. 1912	1,571.70	
Port Dalhousie.....	Nov. 1912	756.04	
Port Dover.....	Dec. 1921	1,440.92	
Port Rowan.....	Nov. 1926	1,046.18	
Port Stanley.....	April 1912	1,340.18	
Preston.....	Jan. 1911		2,697.21
Princeton.....	Jan. 1915	483.69	
Queenston.....	Mar. 1921	189.29	
Richmond Hill.....	June 1925	821.37	
Ridgetown.....	Dec. 1915	578.94	
Riverside.....	Nov. 1922	525.28	
Rockwood.....	Sept. 1913	323.60	
Rodney.....	Feb. 1917	634.58	
St. Catharines.....	April 1914		26,572.95
St. Clair Beach.....	Nov. 1922	38.22	
St. George.....	Sept. 1915	568.26	
St. Jacobs.....	Sept. 1917	775.00	
St. Marys.....	May 1911	3,537.03	
St. Thomas.....	April 1911	2,310.59	
Sarnia.....	Dec. 1916	7,123.51	
Scarboro twp.....	Aug. 1918	5,900.33	
Seaforth.....	Nov. 1911	66.17	
Simcoe.....	Aug. 1915	1,860.89	
Springfield.....	Aug. 1917	102.22	
Stamford twp.....	Nov. 1916		5,435.72
Stouffville.....	Sept. 1923	991.04	

SYSTEM

N—CREDIT OR CHARGE

power supplied to it to October 31, 1938, the cash receipts and payments thereon or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1939

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1939		Accumulated amount standing as a credit or charge on October 31, 1939	
Credited	Charged	Credited	Charged	Credit	Charge
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
2,618.25			1,322.15		1,322.15
	705.57	349.58		349.58	
	221.78	218.36		218.36	
	319.95	524.30		524.30	
	153.46	207.84		207.84	
	1,364.15	1,378.57		1,378.57	
	3,455.98	3,885.05		3,885.05	
12,282.51			736.16		736.16
	471.08	1,249.32		1,249.32	
	588.66	708.70		708.70	
	733.22	752.38		752.38	
	530.33	747.59		747.59	
	1,571.29	1,543.51		1,543.51	
342.93		286.87		286.87	
	1,160.83	1,744.88		1,744.88	
	3,299.24	4,131.59		4,131.59	
	477.57	269.66		269.66	
	2,856.01	2,386.77		2,386.77	
	828.48	3,300.08		3,300.08	
	1,571.70	1,587.61		1,587.61	
	756.04	1,326.70		1,326.70	
	1,440.92	1,283.39		1,283.39	
	1,046.18	962.81		962.81	
	1,340.18	850.32		850.32	
2,697.21			134.21		134.21
	483.69	181.74		181.74	
	189.29	448.81		448.81	
	821.37	1,101.56		1,101.56	
	578.94	1,783.26		1,783.26	
	525.28	105.04		105.04	
	323.60	252.26		252.26	
	634.58	767.67		767.67	
26,572.95			3,958.07		3,958.07
	38.22	102.57		102.57	
	568.26	442.84		442.84	
	775.00	843.63		843.63	
	3,537.03	2,039.75		2,039.75	
	2,310.59	636.05		636.05	
	7,123.51	3,611.03		3,611.03	
	5,900.33	8,981.00		8,981.00	
	66.17	582.47		582.47	
	1,860.89	1,436.68		1,436.68	
	102.22	167.79		167.79	
2,031.69		314.50			3,089.53
	991.04	1,566.46		1,566.46	

NIAGARA

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made during the year. Also the net amount Credited ended October 31, 1939, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1938	
		Credit	Charge
		\$ c.	\$ c.
Stratford.....	Jan. 1911	4,024.83	.....
Strathroy.....	Dec. 1914	3,216.65	.....
Streetsville.....	Dec. 1934	571.08	.....
Sutton.....	Aug. 1923	2,257.18	.....
Swansea.....	Oct. 1937	6,434.84	.....
Tavistock.....	Nov. 1916	1,509.32	.....
Tecumseh.....	Nov. 1922	102.47	.....
Thamesford.....	Feb. 1914	829.75	.....
Thamesville.....	Oct. 1915	459.65	.....
Theford.....	May 1922	982.34	.....
Thorndale.....	Mar. 1914	1,238.38	.....
Thorold.....	Jan. 1921	.....	2,326.33
Tilbury.....	April 1915	752.70	.....
Tillsonburg.....	Aug. 1911	2,031.38	.....
Toronto.....	June 1911	.....	305,756.39
Toronto twp.....	Aug. 1913	1,194.57	.....
Trafalgar twp. (Area No. 1).....	Nov. 1937	17.77	.....
Trafalgar twp. (Area No. 2).....	Nov. 1937	.....	39.50
Wallaceburg.....	Feb. 1915	4,629.71	.....
Wardsville.....	June 1921	370.19	.....
Waterdown.....	Nov. 1911	445.10	.....
Waterford.....	April 1915	497.85	.....
Waterloo.....	Dec. 1910	.....	3,234.13
Watford.....	Sept. 1917	1,103.82	.....
Welland.....	Sept. 1917	.....	3,319.29
Wellesley.....	Nov. 1916	511.78	.....
West Lorne.....	Jan. 1917	274.44	.....
Weston.....	Jan. 1911	.....	1,201.34
Wheatley.....	Feb. 1924	1,263.07	.....
Windsor.....	Oct. 1914	58,745.68	.....
Woodbridge.....	Dec. 1914	1,614.66	.....
Woodstock.....	Jan. 1911	.....	1,190.93
Wyoming.....	Nov. 1916	208.77	.....
York East twp.....	July 1925	.....	1,204.09
York North twp.....	Nov. 1923	1,747.87	.....
Zurich.....	Sept. 1917	674.78	.....
Ontario Central Reformatory.....	Sept. 1913	647.21	.....
Toronto Transportation Commission.....	Jan. 1927	2,347.59	.....
Sandwich, Windsor & Amherstburg Railway.....	.....	31,821.02	.....
Totals—Municipalities.....	.....	273,673.83	513,300.18
Totals—Rural power districts.....	.....	1,418,017.63	287,187.09
Grand totals.....	.....	1,691,691.46	800,487.27

SYSTEM

N—CREDIT OR CHARGE

power supplied to it to October 31, 1938, the cash receipts and payments thereon or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1939

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1939		Accumulated amount standing as a credit or charge on October 31, 1939	
Credited	Charged	Credited	Charged	Credit	Charge
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	4,024.83	2,836.66	.....	2,836.66	.....
.....	3,216.65	3,458.12	.....	3,458.12	.....
.....	571.08	635.53	.....	635.53	.....
.....	2,257.18	1,201.76	.....	1,201.76	.....
.....	6,434.84	8,422.41	.....	8,422.41	.....
.....	1,509.32	1,564.17	.....	1,564.17	.....
.....	102.47	.....	172.16	.....	172.16
.....	829.75	636.20	.....	636.20	.....
.....	459.65	917.68	.....	917.68	.....
.....	982.34	395.13	.....	395.13	.....
.....	1,238.38	823.60	.....	823.60	.....
2,326.33	.....	.....	627.75	.....	627.75
.....	752.70	1,319.68	.....	1,319.68	.....
.....	2,031.38	2,169.11	.....	2,169.11	.....
305,756.39	.....	56,605.16	.....	56,605.16	.....
.....	1,194.57	1,496.70	.....	1,496.70	.....
.....	17.77	.....	20.00	.....	20.00
39.50	.....	.....	85.98	.....	85.98
.....	4,629.71	2,227.60	.....	2,227.60	.....
.....	370.19	441.76	.....	441.76	.....
.....	445.10	295.29	.....	295.29	.....
.....	497.85	589.44	.....	589.44	.....
3,234.13	.....	.....	679.06	.....	679.06
.....	1,103.82	2,469.02	.....	2,469.02	.....
3,319.29	.....	3,449.11	.....	3,449.11	.....
.....	511.78	946.00	.....	946.00	.....
.....	274.44	212.36	.....	212.36	.....
.....	.....	.....	590.74	.....	1,792.08
.....	1,263.07	1,180.02	.....	1,180.02	.....
.....	58,745.68	39,126.54	.....	39,126.54	.....
.....	1,614.66	1,750.57	.....	1,750.57	.....
1,190.93	.....	1,084.34	.....	1,084.34	.....
.....	208.77	352.14	.....	352.14	.....
1,204.09	.....	.....	191.13	.....	191.13
.....	1,747.87	5,223.95	.....	5,223.95	.....
.....	674.78	1,148.92	.....	1,148.92	.....
.....	647.21	486.37	.....	486.37	.....
.....	2,347.59	2,488.01	.....	2,488.01	.....
.....	31,821.02	.....	.....	.....	.....
508,694.81	273,673.83	303,170.42	120,328.02	302,855.92	124,618.89
56,719.55	12,007.38	194,919.37	86,240.78	1,652,230.03	368,008.73
565,414.36	285,681.21	498,089.79	206,568.80	1,955,085.95	492,627.62

NIAGARA SYSTEM

SINKING FUND

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder, as part of the cost of power delivered thereto, together with the proportionate share of other sinking funds provided out of other revenues of the system, and interest allowed thereon to October 31, 1939

Municipality	Period of years ending Oct. 31, 1939	Amount	Municipality	Period of years ending Oct. 31, 1939	Amount
		\$ c.			\$ c.
Acton.....	22 years	65,467.80	Dutton.....	19 years	18,995.85
Agincourt.....	15 "	10,600.51	Elmira.....	21 "	74,523.87
Ailsa Craig.....	19 "	14,896.60	Elora.....	20 "	35,800.44
Alvinston.....	16 "	14,905.50	Embros.....	20 "	10,876.81
Amherstburg.....	22 "	51,234.95	Erieau.....	16 "	6,094.18
Ancaster twp.....	16 "	16,231.08	Erie Beach.....	15 "	1,540.01
Arkona.....	13 "	5,902.71	Essex.....	16 "	29,651.16
Aylmer.....	16 "	40,941.12	Etobicoke twp.....	17 "	202,578.94
Ayr.....	20 "	14,292.87	Exeter.....	18 "	40,104.49
Baden.....	22 "	30,955.70	Fergus.....	20 "	58,949.59
Beachville.....	22 "	39,429.86	Fonthill.....	14 "	5,919.26
Beamsville.....	3 "	3,080.31	Forest.....	17 "	31,461.66
Belle River.....	17 "	9,895.94	Forest Hill Village.....	16 "	150,256.56
Blenheim.....	19 "	36,230.56	Galt.....	23 "	521,404.95
Blyth.....	16 "	9,317.39	Georgetown.....	21 "	98,529.52
Bolton.....	19 "	16,916.56	Glencoe.....	16 "	19,511.71
Bothwell.....	19 "	16,889.33	Goderich.....	20 "	118,214.96
Brampton.....	23 "	164,683.18	Granton.....	18 "	7,812.55
Brantford.....	20 "	865,674.25	Guelph.....	23 "	636,533.95
Brantford twp.....	15 "	32,262.12	Hagersville.....	21 "	73,610.35
Bridgeport.....	12 "	5,968.36	Hamilton.....	23 "	4,491,922.55
Brigden.....	17 "	11,489.72	Harriston.....	18 "	32,455.04
Brussels.....	16 "	12,547.52	Harrow.....	16 "	23,462.77
Burford.....	19 "	13,150.48	Hensall.....	18 "	15,724.36
Burgessville.....	18 "	5,155.99	Hespeler.....	23 "	108,385.58
Caledonia.....	22 "	21,747.21	Highgate.....	18 "	9,379.45
Campbellville.....	15 "	2,442.26	Humberstone.....	16 "	19,894.43
Cayuga.....	15 "	9,222.09	Ingersoll.....	23 "	176,663.91
Chatham.....	19 "	380,750.24	Jarvis.....	16 "	14,376.68
Chippawa.....	17 "	16,607.60	Kingsville.....	16 "	38,733.34
Clifford.....	16 "	6,717.41	Kitchener.....	23 "	1,240,656.14
Clinton.....	20 "	44,939.51	Lambeth.....	19 "	9,319.95
Comber.....	19 "	18,086.32	LaSalle.....	14 "	13,441.88
Cottam.....	13 "	4,120.58	Leamington.....	16 "	81,544.06
Courtright.....	16 "	5,472.89	Listowel.....	18 "	73,626.19
Dashwood.....	17 "	8,133.41	London.....	23 "	2,346,844.03
Delaware.....	19 "	3,086.15	London twp.....	15 "	19,053.93
Delhi.....	2 "	2,180.26	Long Branch.....	9 "	23,573.96
Dorchester.....	20 "	7,272.88	Lucan.....	19 "	17,754.56
Drayton.....	16 "	12,044.24	Lynden.....	19 "	12,719.10
Dresden.....	19 "	30,637.35	Markham.....	16 "	18,050.95
Drumbo.....	20 "	6,305.13	Merlin.....	16 "	11,256.51
Dublin.....	17 "	5,493.44	Merritton.....	18 "	139,855.27
Dundas.....	23 "	134,604.08	Milton.....	21 "	96,470.39
Dunnville.....	16 "	59,435.52	Milverton.....	18 "	41,285.65

NIAGARA SYSTEM

SINKING FUND

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder, as part of the cost of power delivered thereto, together with the proportionate share of other sinking funds provided out of other revenues of the system, and interest allowed thereon to October 31, 1939

Municipality	Period of years ending Oct. 31, 1939	Amount	Municipality	Period of years ending Oct. 31, 1939	Amount
		\$ c.			\$ c.
Mimico.....	22 years	134,745.68	Stratford.....	23 years	567,229.35
Mitchell.....	23 "	42,154.22	Strathroy.....	20 "	82,942.82
Moorefield.....	16 "	5,934.50	Streetsville.....	5 "	1,974.54
Mount Brydges.....	19 "	7,278.96	Sutton.....	16 "	15,166.82
Newbury.....	16 "	4,341.59	Swansea.....	14 "	70,089.51
New Hamburg.....	23 "	47,010.81	Tavistock.....	18 "	42,504.11
New Toronto.....	20 "	419,051.52	Tecumseh.....	17 "	24,182.46
Niagara Falls.....	19 "	545,286.27	Thamesford.....	20 "	16,017.35
Niagara-on-the-Lake.....	16 "	29,527.21	Thamesville.....	19 "	16,446.32
Norwich.....	22 "	34,883.10	Thedford.....	16 "	8,888.10
Oil Springs.....	16 "	23,731.37	Thorndale.....	20 "	8,072.97
Otterville.....	18 "	8,312.17	Thorold.....	17 "	93,528.88
Palmerston.....	18 "	40,758.56	Tilbury.....	19 "	43,411.73
Paris.....	20 "	106,436.56	Tillsonburg.....	23 "	16,446.37
Parkhill.....	16 "	17,957.64	Toronto.....	23 "	17,661,429.52
Petrolia.....	18 "	96,709.20	Toronto twp.....	21 "	102,843.54
Plattsville.....	20 "	8,585.50	Trafalgar twp. area 1	3 "	3,550.12
Point Edward.....	17 "	54,986.49	Trafalgar twp. area 2	3 "	1,127.54
Port Colborne.....	18 "	91,408.25	Wallaceburg.....	19 "	175,363.68
Port Credit.....	22 "	38,006.72	Wardsville.....	16 "	3,439.58
Port Dalhousie.....	18 "	33,524.30	Waterdown.....	23 "	21,413.58
Port Dover.....	16 "	24,093.50	Waterford.....	19 "	30,094.93
Port Rowan.....	13 "	6,338.62	Waterloo.....	23 "	245,077.62
Port Stanley.....	22 "	38,146.16	Watford.....	17 "	21,730.36
Preston.....	23 "	246,632.91	Welland.....	17 "	267,629.52
Princeton.....	20 "	8,701.47	Wellesley.....	18 "	15,496.79
Queenston.....	16 "	6,511.03	West Lorne.....	18 "	23,894.12
Richmond Hill.....	15 "	18,169.40	Weston.....	23 "	220,636.54
Ridgetown.....	19 "	40,062.29	Wheatley.....	16 "	12,510.58
Riverside.....	17 "	77,160.13	Windsor.....	20 "	2,846,439.01
Rockwood.....	21 "	10,676.75	Woodbridge.....	20 "	28,656.65
Rodney.....	17 "	12,639.77	Woodstock.....	23 "	373,021.85
St. Catharines.....	18 "	552,138.27	Wyoming.....	18 "	7,763.76
St. Clair Beach.....	17 "	6,360.78	York twp.....	19 "	582,715.07
St. George.....	19 "	13,327.31	York East twp.....	15 "	258,357.58
St. Jacobs.....	17 "	15,213.81	York North twp.....	16 "	132,845.43
St. Marys.....	23 "	125,978.53	Zurich.....	17 "	12,379.36
St. Thomas.....	23 "	464,937.70	Ontario Reformatory.....	5 "	4,526.15
Sarnia.....	18 "	583,786.77	Toronto Trans. Com.....	18 "	171,856.90
Scarboro twp.....	16 "	173,952.74	Sandwich, Windsor & Amherstburg Ry. Co.....	17 "	176,304.14
Seaforth.....	23 "	58,298.63			
Simcoe.....	19 "	98,351.25	Total—Municipalities.....		\$42,468,173.15
Springfield.....	17 "	8,753.71	Total—Rural power districts.....		2,591,370.09
Stamford twp.....	18 "	91,628.77			
Stouffville.....	16 "	15,466.51	Grand total.....		\$45,059,543.24

NIAGARA SYSTEM *N—RURAL OPERATING*

Rural Power Districts

Operating Account for Year Ended October 31, 1939

Revenue from customers in rural power districts.....	\$2,834,782.69
Cost of power as provided to be paid under Power Commission Act..	\$1,253,633.83
Cost of operation, maintenance and administration.....	716,779.89
Interest.....	452,129.91
Provision for renewals.....	198,134.37
Provision for sinking fund.....	105,426.10
	<hr/> 2,726,104.10
Balance.....	<u><u>\$ 108,678.59</u></u>

NIAGARA SYSTEM—RURAL LINES

Statement showing Interest, Renewals, Contingencies and Obsolescence and Sinking Fund charged by the Commission to the Municipalities which operate the respective rural lines for the year ended October 31, 1939

Operated by	Capital cost	Interest	Provision for renewals	Provision for contingencies and obsolescence	Provision for sinking fund	Total interest, renewals, obsolescence, contingencies and sinking fund charged
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Milton.....	440.82	21.86	8.82	4.41	7.93	43.02
Welland.....	19,617.60	823.94	392.35	196.18	353.12	1,765.59
Totals.....	20,058.42	845.80	401.17	200.59	361.05	1,808.61

NIAGARA SYSTEM—RURAL LINES

Statement showing the total Sinking Fund in respect of each line, together with interest allowed thereon to October 31, 1939

	Period of years ended October 31, 1939	Amount
		\$ c.
Milton.....	26 years	330.29
Welland.....	27 years	15,771.69
Total.....		16,101.98

GEORGIAN BAY

Statement showing the amount to be paid by each Municipality as the Cost—under received by the Commission from each Municipality on account of such cost; upon ascertainment (by annual adjustment) of the actual Cost

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system	Average horse-power supplied in year after correction for power factor	Share of operating		
	To Dec. 31 1938	From Jan. 1 1939			Cost of power purchased	Operating, maintenance and administrative expenses	Interest
	\$ c.	\$ c.	\$ c.		\$ c.	\$ c.	\$ c.
Alliston.....	51.00	48.00	111,543.00	316.0	227.41	4,212.83	5,234.58
Arthur.....	67.00	63.00	66,730.01	156.0	112.26	3,939.72	3,135.57
Barrie.....	32.50	32.50	779,477.29	3,262.2	2,347.60	34,579.79	36,752.29
Beaverton.....	40.00	40.00	63,453.92	234.5	168.76	3,229.45	2,979.43
Beeton.....	66.00	60.00	44,930.91	89.1	64.12	1,491.26	2,108.33
Bradford.....	55.00	50.00	69,187.04	188.0	135.29	2,864.65	3,253.89
Brechin.....	48.50	48.50	17,782.45	50.2	36.13	824.14	833.06
Cannington.....	40.50	40.50	45,466.90	163.0	117.30	2,385.81	2,141.99
Chatsworth.....	45.00	41.00	19,604.80	70.1	50.45	1,009.11	913.14
Chesley.....	35.50	35.50	143,518.01	529.6	381.12	6,280.45	6,777.64
Coldwater.....	36.50	35.00	71,148.86	274.2	197.32	2,985.51	3,332.32
Collingwood.....	39.00	37.00	368,694.30	1,384.7	996.48	15,763.14	17,257.57
Cookstown.....	50.00	45.00	25,085.16	76.2	54.84	1,178.79	1,169.83
Creemore.....	53.00	48.00	40,235.25	117.8	84.77	1,862.84	1,857.02
Dundalk.....	37.00	37.00	55,269.61	205.2	147.67	2,998.17	2,574.46
Durham.....	39.00	39.00	93,511.47	323.5	232.80	4,313.24	4,410.49
Elmvale.....	39.50	39.50	42,737.90	160.6	115.57	2,413.13	2,011.73
Elmwood.....	42.50	42.50	16,460.45	56.3	40.52	869.27	774.02
Flesherton.....	45.50	45.00	20,083.51	66.7	48.00	1,120.60	939.63
Grand Valley.....	53.00	53.00	48,686.38	135.5	97.51	2,872.70	2,294.96
Gravenhurst.....	25.00	25.00	183,480.98	913.9	.....	8,472.08	8,655.86
Hanover.....	32.00	32.00	267,212.00	1,072.2	771.60	11,197.81	12,591.52
Holstein.....	80.00	80.00	8,773.23	15.9	11.44	520.77	417.35
Huntsville.....	28.00	28.00	272,076.81	1,074.5	.....	11,371.05	11,929.73
Kincardine.....	46.50	45.00	215,004.28	652.6	469.64	8,470.50	10,092.91
Kirkfield.....	56.00	56.00	11,690.51	26.2	18.85	512.93	544.51
Lucknow.....	53.50	51.00	87,350.97	232.3	167.17	3,489.33	4,100.36
Markdale.....	37.00	37.00	45,793.06	176.4	126.94	2,322.55	2,141.41
Meaford.....	40.50	40.00	158,152.45	540.0	388.60	7,210.12	7,426.75
Midland.....	31.50	31.50	673,834.35	2,809.6	2,021.89	29,827.91	31,774.60
Mildmay.....	47.00	45.00	36,534.94	114.1	82.11	1,514.20	1,716.33
Mount Forest.....	44.00	44.00	146,528.56	481.7	346.65	8,099.81	6,959.57
Neustadt.....	65.00	55.00	13,435.48	33.8	24.32	535.56	624.20
Orangeville.....	44.00	44.00	198,661.74	614.5	442.22	9,575.04	9,352.70
Owen Sound.....	32.00	32.00	963,143.57	3,988.7	2,870.42	44,677.07	45,395.96

SYSTEM

G.B.—COST OF POWER

the Power Commission Act—of power supplied to it by the Commission; the amount and the amount remaining to be credited or charged to each Municipality of Power supplied to it in the year ended October 31, 1939

costs and fixed charges				Cost in excess of revenue from power sold to private companies	Amount charged to each municipality in respect of power supplied to it in the year	Amounts received from (or billed against) each municipality by the Commission	Amounts remaining to be credited or charged to each municipality Credited (Charged)
Provision for renewals	Provision for contingencies and obsolescence	Provision for stabilization of rates	Provision for sinking fund				
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
1,569.46	394.70	948.00	1,172.29	62.15	13,821.42	15,330.84	1,509.42
1,007.28	232.40	468.00	701.13	30.68	9,627.04	9,936.26	309.22
8,753.82	3,056.80	9,786.60	8,180.48	641.58	104,098.96	106,021.21	1,922.25
775.11	244.01	703.50	664.83	46.12	8,811.21	9,379.63	568.42
712.12	151.46	267.30	472.48	17.52	5,284.59	5,444.85	160.26
992.54	246.89	564.00	728.40	36.97	8,822.63	9,553.74	731.11
248.51	66.45	150.60	185.80	9.87	2,354.56	2,435.49	80.93
565.49	174.09	489.00	476.19	32.06	6,381.93	6,602.52	220.59
245.02	80.18	210.30	205.75	13.79	2,727.74	2,926.30	198.56
1,761.00	573.89	1,588.80	1,506.99	104.16	18,974.05	18,799.60	(174.45)
847.66	286.38	822.60	746.50	53.93	9,272.22	9,660.67	388.45
4,479.13	1,434.45	4,154.10	3,874.29	272.33	48,231.49	51,722.37	3,490.88
339.08	95.82	228.60	261.95	14.99	3,343.90	3,502.17	158.27
546.10	146.67	353.40	416.49	23.17	5,290.46	5,756.56	466.10
662.65	216.27	615.60	573.55	40.36	7,828.73	7,593.37	(235.36)
1,190.56	368.69	970.50	981.02	63.62	12,530.92	12,617.56	86.64
518.02	170.83	481.80	448.57	31.59	6,191.24	6,345.32	154.08
211.09	68.68	168.90	172.77	11.07	2,316.32	2,391.32	75.00
261.72	75.51	200.10	210.82	13.12	2,869.50	3,006.21	136.71
689.42	176.65	406.50	511.33	26.65	7,075.72	7,179.73	104.01
1,755.89	752.97	2,741.70	1,925.06	179.74	24,483.30	22,847.50	(1,635.80)
3,094.58	1,090.41	3,216.60	2,803.19	210.87	34,976.58	34,310.84	(665.74)
142.11	27.78	47.70	92.23	3.13	1,262.51	1,275.60	13.09
2,798.56	974.44	3,223.50	2,649.85	211.32	33,158.45	30,085.04	(3,073.41)
2,931.63	781.17	1,957.80	2,257.99	128.35	27,089.99	29,517.80	2,427.81
175.93	39.81	78.60	121.31	5.15	1,497.09	1,465.32	(31.77)
1,259.90	312.32	696.90	917.67	45.69	10,989.34	11,950.58	961.24
545.74	176.68	529.20	480.47	34.69	6,357.68	6,526.79	169.11
2,023.78	601.68	1,620.00	1,656.73	106.20	21,033.86	21,650.03	616.17
7,585.22	2,584.44	8,428.80	7,069.68	552.57	89,845.11	88,502.12	(1,342.99)
491.44	139.21	342.30	383.66	22.44	4,691.69	5,174.39	482.70
1,943.20	539.35	1,445.10	1,550.48	94.74	20,978.90	21,195.92	217.02
197.79	46.90	101.40	141.14	6.65	1,677.96	1,927.58	249.62
2,683.91	725.27	1,843.50	2,085.86	120.85	26,829.35	27,039.47	210.12
10,895.14	3,745.49	11,966.10	10,103.28	784.52	130,437.98	127,639.59	(2,798.39)

GEORGIAN BAY

Statement showing the amount to be paid by each Municipality as the Cost—under received by the Commission from each Municipality on account of such cost; upon ascertainment (by annual adjustment) of the actual Cost

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system	Average horse-power supplied in year after correction for power factor	Share of operating		
	To Dec. 31 1938	From Jan. 1 1939			Cost of power purchased	Operating, maintenance and administrative expenses	Interest
	\$ c.	\$ c.	\$ c.		\$ c.	\$ c.	\$ c.
Paisley.....	54.00	50.00	46,450.07	125.4	90.24	1,890.38	2,177.54
Penetanguishene..	36.50	36.50	211,706.60	784.0	564.20	8,782.52	9,962.84
Port Elgin.....	39.00	39.00	117,776.71	374.9	269.79	4,990.67	5,571.94
Port McNicoll....	37.00	37.00	25,215.47	87.8	63.18	1,006.98	1,189.88
Port Perry.....	46.50	46.50	92,416.36	272.5	196.10	4,019.83	4,356.27
Priceville.....	60.00	50.00	3,744.44	9.3	6.69	207.06	168.96
Ripley.....	70.00	65.00	33,633.81	72.3	52.03	1,589.78	1,575.09
Rosseau.....	88.00	80.00	27,397.63	40.7	.....	931.95	1,266.56
Shelburne.....	42.00	42.00	72,738.78	239.1	172.07	3,623.16	3,432.90
Southampton....	39.00	39.00	91,652.42	297.8	214.31	3,922.27	4,330.85
Stayner.....	40.00	38.00	66,947.88	248.3	178.69	3,237.53	3,142.72
Sunderland.....	54.00	54.00	29,158.84	77.9	56.06	1,303.32	1,373.62
Tara.....	42.50	42.00	30,064.60	99.3	71.46	1,615.06	1,414.09
Teeswater.....	52.50	50.00	50,872.57	140.6	101.18	2,105.71	2,392.00
Thornton.....	60.50	60.00	13,495.64	32.7	23.53	578.59	636.77
Tottenham.....	83.00	70.00	40,487.35	73.2	52.68	1,458.79	1,892.80
Uxbridge.....	48.50	48.50	101,621.52	282.9	203.59	4,451.09	4,682.99
Victoria Harbour..	40.00	38.00	20,317.42	71.2	51.24	1,280.20	957.17
Walkerton.....	34.50	34.00	177,053.54	728.5	524.26	7,949.51	8,331.92
Waubaushehene....	40.00	38.00	28,023.63	109.0	78.44	1,399.22	1,312.78
Warton.....	58.00	54.00	118,974.50	294.9	212.22	4,570.16	5,579.91
Windermere.....	60.00	55.00	16,420.55	40.7	.....	657.01	745.71
Wingham.....	52.50	50.00	155,992.53	414.7	298.43	5,657.95	7,345.85
Woodville.....	54.00	54.00	25,719.00	71.8	51.67	1,133.19	1,211.97
Totals—Municipalities.....			7,023,162.01	25,595.3	16,929.83	313,353.26	329,528.84
Totals—Rural power districts.....			1,663,423.97	5,773.7	9,263.30	69,050.78	77,770.62
Totals—Companies.....			332,576.19	1,180.7	849.65	13,930.95	15,650.90
Totals—Local distribution systems			249,727.88	511.8	368.32	14,190.92	11,701.55
			9,268,890.05				
Non-operating capital.....			68,531.86				
Grand totals.....			9,337,421.91	33,061.5	27,411.10	410,525.91	434,651.41

SYSTEM

G.B.—COST OF POWER

the Power Commission Act—of power supplied to it by the Commission; the amount and the amount remaining to be credited or charged to each Municipality of Power supplied to it in the year ended October 31, 1939

costs and fixed charges				Cost in excess of revenue from power sold to private companies	Amount charged to each municipality in respect of power supplied to it in the year	Amounts received from (or billed against) each municipality by the Commission	Amounts remaining to be credited or charged to each municipality Credited (Charged)
Provision for renewals	Provision for contingencies and obsolescence	Provision for stabilization of rates	Provision for sinking fund				
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
666.33	170.66	376.20	488.11	24.66	5,884.12	6,356.91	472.79
2,590.16	805.46	2,352.00	2,222.07	154.19	27,433.44	28,615.89	1,182.45
1,570.32	432.35	1,124.70	1,237.23	73.73	15,270.73	14,621.11	(649.62)
320.09	102.76	263.40	264.65	17.27	3,228.21	3,248.90	20.69
1,273.48	328.34	817.50	968.83	53.59	12,013.94	12,672.78	658.84
55.38	16.33	27.90	39.34	1.83	523.49	483.25	(40.24)
521.07	113.32	216.90	353.50	14.22	4,435.91	4,764.05	328.14
453.66	85.88	122.10	283.41	8.00	3,151.56	3,311.99	160.43
953.10	281.53	717.30	763.58	47.02	9,990.66	10,042.41	51.75
1,209.31	342.25	893.40	962.74	58.57	11,933.70	11,612.61	(321.09)
818.40	266.39	744.90	702.74	48.83	9,140.20	9,510.47	370.27
418.84	103.57	233.70	305.81	15.32	3,810.24	4,206.15	395.91
392.95	119.05	297.90	315.61	19.53	4,245.65	4,178.18	(67.47)
722.63	201.41	421.80	534.40	27.65	6,506.78	7,089.15	582.37
201.43	50.63	98.10	141.85	6.43	1,737.33	1,965.79	228.46
656.54	131.41	219.60	425.81	14.40	4,852.03	5,297.51	445.48
1,392.69	353.97	848.70	1,042.98	55.64	13,031.65	13,721.84	690.19
257.64	79.77	213.60	213.60	14.00	3,067.22	2,730.41	(336.81)
2,013.45	701.26	2,185.50	1,857.68	143.28	23,706.86	24,827.92	1,121.06
331.77	115.84	327.00	294.01	21.44	3,880.50	4,171.83	291.33
1,760.74	412.73	884.70	1,249.90	58.00	14,728.36	16,126.35	1,397.99
234.12	57.94	122.10	167.82	8.00	1,992.70	2,252.71	260.01
2,257.12	560.44	1,244.10	1,642.41	81.56	19,087.86	20,896.52	1,808.66
362.23	90.83	215.40	269.32	14.12	3,348.73	3,877.65	528.92
86,334.05	26,722.86	76,785.90	73,477.63	5,033.92	928,166.29	943,896.67	27,103.52 (11,373.14)
21,334.42	6,361.80	17,321.10	17,261.78	1,135.48	219,499.28	219,499.28	.....
4,142.55	1,275.46	.....	3,473.72	(5,817.31)	33,505.42	33,505.42	.....
3,868.79	1,515.24	.....	2,597.24	(352.09)	33,889.97	33,889.97	.....
115,679.81	35,875.36	94,107.00	96,810.37	.....	1,215,060.96	1,230,791.34	27,103.52 (11,373.14)

GEORGIAN BAY

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made during the year. Also the net amount Credited ended October 31, 1939, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1938	
		Credit	Charge
		\$ c.	\$ c.
Alliston.....	June 1918	2,528.24	.....
Arthur.....	Dec. 1916	1,327.40	.....
Barrie.....	April 1913	7,639.29	.....
Beaverton.....	Nov. 1914	932.99	.....
Beeton.....	Aug. 1918	1,102.53	.....
Bradford.....	Oct. 1918	1,561.41	.....
Brechin.....	Jan. 1915	270.07	.....
Cannington.....	Nov. 1914	208.21	.....
Chatsworth.....	Dec. 1915	573.45	.....
Chesley.....	July 1916	843.60	.....
Coldwater.....	Mar. 1913	1,621.43	.....
Collingwood.....	Mar. 1913	10,610.70	.....
Cookstown.....	May 1918	615.55	.....
Creemore.....	Nov. 1914	1,063.10	.....
Dundalk.....	Dec. 1915	560.43	.....
Durham.....	Dec. 1915	567.59	.....
Elmvale.....	June 1913	593.15	.....
Elmwood.....	April 1918	255.51	.....
Flesherton.....	Dec. 1915	547.50	.....
Grand Valley.....	Dec. 1916	526.31	.....
Gravenhurst.....	Nov. 1915	1,267.73	.....
Hanover.....	Sept. 1916	1,997.85	.....
Holstein.....	May 1916	.....	81.10
Huntsville.....	Sept. 1916	534.77	.....
Kincardine.....	Mar. 1921	4,508.97	.....
Kirkfield.....	June 1920	123.13	.....
Lucknow.....	Jan. 1921	1,924.89	.....
Markdale.....	Mar. 1916	1,251.85	.....
Meaford.....	Jan. 1924	2,199.86	.....
Midland.....	July 1911	4,650.32	.....
Mildmay.....	Dec. 1932	712.31	.....
Mount Forest.....	Dec. 1915	1,586.62	.....
Neustadt.....	Dec. 1918	526.64	.....
Orangeville.....	July 1916	2,187.59	.....
Owen Sound.....	Dec. 1915	7,641.73	.....

SYSTEM

G.B.—CREDIT OR CHARGE

power supplied to it to October 31, 1938, the cash receipts and payments thereon or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1939

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1939		Accumulated amount standing as a credit or charge on October 31, 1939	
Credited	Charged	Credited	Charged	Credit	Charge
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	2,528.24	1,509.42	.....	1,509.42	.....
.....	1,327.40	309.22	.....	309.22	.....
.....	7,639.29	1,922.25	.....	1,922.25	.....
.....	932.99	568.42	.....	568.42	.....
.....	1,102.53	160.26	.....	160.26	.....
.....	1,561.41	731.11	.....	731.11	.....
.....	270.07	80.93	.....	80.93	.....
.....	208.21	220.59	.....	220.59	.....
.....	573.45	198.56	.....	198.56	.....
.....	843.60	.....	174.45	.....	174.45
.....	1,621.43	388.45	.....	388.45	.....
.....	10,610.70	3,490.88	.....	3,490.88	.....
.....	615.55	158.27	.....	158.27	.....
.....	1,063.10	466.10	.....	466.10	.....
1.08	561.51	.....	235.36	.....	235.36
.....	567.59	86.64	.....	86.64	.....
.....	593.15	154.08	.....	154.08	.....
.....	255.51	75.00	.....	75.00	.....
.....	547.50	136.71	.....	136.71	.....
.....	526.31	104.01	.....	104.01	.....
.....	1,267.73	.....	1,635.80	.....	1,635.80
.....	1,997.85	.....	665.74	.....	665.74
81.10	.....	13.09	.....	13.09	.....
.....	534.77	.....	3,073.41	.....	3,073.41
.....	4,508.97	2,427.81	.....	2,427.81	.....
.....	123.13	.....	31.77	.....	31.77
.....	1,924.89	961.24	.....	961.24	.....
.....	1,251.85	169.11	.....	169.11	.....
.....	2,199.86	616.17	.....	616.17	.....
.....	4,650.32	.....	1,342.99	.....	1,342.99
.....	712.31	482.70	.....	482.70	.....
.....	1,586.62	217.02	.....	217.02	.....
.....	526.64	249.62	.....	249.62	.....
.....	2,187.59	210.12	.....	210.12	.....
.....	7,641.73	.....	2,798.39	.....	2,798.39

GEORGIAN BAY

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made during the year. Also the net amount Credited ended October 31, 1939, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1938	
		Credit	Charge
		\$ c.	\$ c.
Paisley	Sept. 1923	1,186.03	.....
Penetanguishene	July 1911	2,840.35	.....
Port Elgin	Mar. 1931	131.31	.....
Port McNicoll	Jan. 1915	159.08	.....
Port Perry	Sept. 1922	638.79	.....
Priceville	Mar. 1920	259.88	.....
Ripley	Jan. 1921	822.19	.....
Rosseau	July 1931	562.84	.....
Shelburne	July 1916	441.40	.....
Southampton	Feb. 1931	413.96	.....
Stayner	Oct. 1913	1,324.57	.....
Sunderland	Nov. 1914	247.27	.....
Tara	Feb. 1918	451.76	.....
Teeswater	Dec. 1920	889.53	.....
Thornton	Nov. 1918	144.84	.....
Tottenham	Oct. 1918	1,208.69	.....
Uxbridge	Sept. 1922	968.67	.....
Victoria Harbour	July 1914	251.07	.....
Walkerton	Feb. 1931	2,648.50	.....
Waubauskene	Dec. 1914	711.55	.....
Warton	May 1931	2,864.25	.....
Windermere	June 1930	439.67	.....
Wingham	Dec. 1920	2,927.77	.....
Woodville	Nov. 1914	91.44	.....
Totals—Municipalities		87,688.13	81.10
Totals—Rural power districts		66,759.44	149,966.90
Grand totals		154,447.57	150,048.00

SYSTEM

G.B.—CREDIT OR CHARGE

power supplied to it to October 31, 1938, the cash receipts and payments thereon or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1939

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1939		Accumulated amount standing as a credit or charge on October 31, 1939	
Credited	Charged	Credited	Charged	Credit	Charge
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	1,186.03	472.79	.....	472.79	.....
.....	2,840.35	1,182.45	.....	1,182.45	.....
.....	131.31	.....	649.62	.....	649.62
.....	159.08	20.69	.....	20.69	.....
.....	638.79	658.84	.....	658.84	.....
.....	259.88	.....	40.24	.....	40.24
.....	822.19	328.14	.....	328.14	.....
.....	562.84	160.43	.....	160.43	.....
.....	441.40	51.75	.....	51.75	.....
.....	413.96	.....	321.09	.....	321.09
.....	1,324.57	370.27	.....	370.27	.....
.....	247.27	395.91	.....	395.91	.....
.....	451.76	.....	67.47	.....	67.47
.....	889.53	582.37	.....	582.37	.....
.....	144.84	228.46	.....	228.46	.....
.....	1,208.69	445.48	.....	445.48	.....
.....	968.67	690.19	.....	690.19	.....
.....	251.07	.....	336.81	.....	336.81
.....	2,648.50	1,121.06	.....	1,121.06	.....
.....	711.55	291.33	.....	291.33	.....
.....	2,864.25	1,397.99	.....	1,397.99	.....
.....	439.67	260.01	.....	260.01	.....
.....	2,927.77	1,808.66	.....	1,808.66	.....
.....	91.44	528.92	.....	528.92	.....
82.18	87,689.21	27,103.52	11,373.14	27,103.52	11,373.14
2,911.19	5,990.76	9,811.99	67,172.19	75,052.43	218,699.66
2,993.37	93,679.97	36,915.51	78,545.33	102,155.95	230,072.80

GEORGIAN BAY SYSTEM

G.B.—SINKING FUND

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder, as part of the cost of power delivered thereto, together with the proportionate share of other sinking funds provided out of other revenues of the system, and interest allowed thereon to October 31, 1939

Municipality	Period of years ending Oct. 31, 1939	Amount	Municipality	Period of years ending Oct. 31, 1939	Amount
		\$ c.			\$ c.
Alliston	16 years	21,524.64	Mildmay	7 years	2,562.23
Arthur	18 "	18,388.91	Mount Forest	19 "	30,104.10
Barrie	21 "	139,016.26	Neustadt	16 "	6,184.85
Beaverton	20 "	19,538.37	Orangeville	18 "	41,006.49
Beeton	16 "	14,739.04	Owen Sound	19 "	192,476.02
Bradford	16 "	17,087.18	Paisley	15 "	10,230.99
Brechin	20 "	7,358.03	Penetanguishene	23 "	59,394.22
Cannington	20 "	14,748.50	Port Elgin	9 "	9,383.85
Chatsworth	19 "	4,130.36	Port McNicoll	20 "	5,909.15
Chesley	18 "	33,894.05	Port Perry	15 "	16,014.89
Coldwater	21 "	14,314.12	Priceville	15 "	896.73
Collingwood	21 "	128,589.15	Ripley	15 "	7,147.33
Cookstown	16 "	4,999.26	Rosseau	9 "	3,033.30
Creemore	20 "	11,216.30	Shelburne	18 "	17,888.79
Dundalk	19 "	11,672.06	Southampton	9 "	8,231.17
Durham	19 "	29,403.83	Stayner	21 "	15,424.17
Elmvale	21 "	14,371.66	Sunderland	20 "	9,723.53
Elmwood	16 "	3,838.93	Tara	16 "	7,936.73
Flesherton	19 "	6,274.28	Teeswater	15 "	11,442.03
Grand Valley	18 "	11,408.41	Thornton	16 "	3,148.78
Gravenhurst	19 "	25,902.27	Tottenham	16 "	9,976.30
Hanover	18 "	76,985.29	Uxbridge	15 "	16,923.98
Holstein	18 "	2,543.47	Victoria Harbour	20 "	6,144.18
Huntsville	18 "	54,729.86	Walkerton	9 "	15,364.99
Kincardine	15 "	38,944.47	Waubauskene	20 "	3,983.36
Kirkfield	15 "	3,014.96	Warton	9 "	12,034.56
Lucknow	15 "	18,117.63	Windermere	10 "	2,131.23
Markdale	18 "	9,518.46	Wingham	15 "	33,661.61
Meaford	15 "	27,196.13	Woodville	20 "	9,506.14
Midland	21 "	205,145.99			
			Totals—Municipalities		\$1,556,477.57
			Totals—Rural power districts		257,795.88
			Grand total		\$1,814,273.45

GEORGIAN BAY SYSTEM *G.B.—RURAL OPERATING*

Rural Power Districts

Operating Account for Year Ended October 31, 1939

Revenue from customers in rural power districts.....	\$449,428.70
Cost of power as provided to be paid under Power Commission Act....	\$219,499.28
Cost of operation, maintenance and administration.....	131,276.84
Interest.....	95,848.87
Provision for renewals.....	38,889.57
Provision for sinking fund.....	21,274.34
	<hr/> 506,788.90
Balance.....	<hr/> \$ 57,360.20

GEORGIAN BAY SYSTEM—RURAL LINES

Statement showing Interest, Renewals, Contingencies and Obsolescence and Sinking Fund charged by the Commission to the Municipalities which operate the respective rural lines for the year ended October 31, 1939

Operated by	Capital cost	Interest	Provision for renewals	Provision for contingencies and obsolescence	Provision for sinking fund	Total interest, renewals, obsolescence, contingencies and sinking fund charged
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Brechin.....	922.02	48.22	18.44	9.22	16.60	92.48
Flesherton.....	1,915.15	107.44	38.30	19.15	34.47	199.36
Totals.....	2,837.17	155.66	56.74	28.37	51.07	291.84

GEORGIAN BAY SYSTEM—RURAL LINES

Statement showing the total Sinking Fund paid in respect of each line, together with interest allowed thereon to October 31, 1939

	Period of years ended October 31, 1939	Amount
		\$ c.
Brechin.....	21 years	494.50
Flesherton.....	22 years	913.61
Total.....		1,408.11

EASTERN ONTARIO

Statement showing the amount to be paid by each Municipality as the Cost—under received by the Commission from each Municipality on account of such cost; upon ascertainment (by annual adjustment) of the actual Cost

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system	Average horse-power supplied in year after correction for power factor	Share of operating		
	To Dec. 31 1938	From Jan. 1 1939			Cost of power purchased	Operating, main-tenance and administrative expenses	Interest
	\$ c.	\$ c.	\$ c.		\$ c.	\$ c.	\$ c.
Alexandria.....	55.00	52.00	77,477.15	195.8	1,386.65	2,128.94	3,605.76
Apple Hill.....	44.00	44.00	11,159.27	38.2	270.53	442.76	519.95
Arnprior.....	32.00	30.00	122,030.59	818.5	5,796.58	8,124.20	5,699.75
Athens.....	45.00	45.00	34,580.16	105.3	745.73	810.35	1,618.39
Bath.....	66.00	56.00	13,471.24	34.8	246.45	341.59	624.49
Belleville.....	28.00	26.00	876,988.57	5,514.7	39,054.86	32,695.37	40,966.93
Bloomfield.....	47.00	47.00	32,063.11	104.6	740.77	1,144.98	1,490.38
Bowmanville...	31.00	31.00	451,676.63	2,282.9	16,167.40	17,367.50	21,074.68
Brighton.....	32.00	32.00	62,471.00	303.4	2,148.67	2,451.55	2,910.40
Brockville.....	26.00	26.00	532,684.12	3,585.3	25,390.94	20,685.44	24,682.31
Cardinal.....	29.00	28.00	35,464.91	229.4	1,624.60	2,021.13	1,650.79
Carleton Place..	29.00	28.00	240,559.71	1,493.2	10,574.78	8,879.79	11,187.53
Chesterville....	34.00	33.00	50,943.90	252.0	1,784.65	2,163.07	2,331.09
Cobden.....	65.00	60.00	25,011.45	65.7	465.28	835.74	1,161.66
Cobourg.....	31.00	31.00	353,863.55	1,860.6	13,176.69	16,460.07	16,483.45
Colborne.....	33.00	33.00	37,143.32	179.1	1,268.38	1,547.13	1,731.65
Deseronto.....	45.00	46.00	46,965.71	154.2	1,092.04	1,515.47	2,199.94
Finch.....	47.00	42.00	22,305.76	78.4	555.23	860.09	997.89
Hastings.....	42.00	42.00	27,711.48	98.6	698.28	1,025.51	1,272.78
Havelock.....	46.50	46.50	48,402.82	141.2	999.97	1,240.99	2,230.60
Kemptville.....	35.00	35.00	76,416.18	369.6	2,617.49	2,635.88	3,559.86
Kingston.....	27.00	27.00	1,525,753.95	8,481.9	60,068.44	53,551.61	71,497.57
Lakefield.....	39.00	37.00	72,337.94	280.4	1,985.78	2,341.73	3,363.93
Lanark.....	40.00	40.00	20,778.91	78.6	556.64	670.70	970.21
Lancaster.....	62.00	60.00	17,449.57	40.8	288.94	523.39	775.32
Lindsay.....	34.00	34.00	503,110.18	2,445.1	17,316.09	22,323.09	23,234.11
Madoc.....	40.50	44.00	52,451.99	176.8	1,252.09	2,697.54	2,456.62
Marmora.....	40.50	38.00	30,588.44	120.1	850.54	1,137.09	1,387.46
Martintown....	43.50	42.00	7,893.85	33.8	239.37	421.58	339.16
Maxville.....	51.00	48.00	33,199.44	87.9	622.50	839.84	1,551.87
Millbrook.....	53.00	40.00	18,152.02	67.7	479.45	976.74	798.97
Morrisburg.....	32.50	32.50	37,055.47	207.1	1,466.67	1,876.95	1,733.49
Napanee.....	30.00	30.00	221,613.15	1,178.3	8,344.67	8,452.83	10,330.94
Newcastle.....	32.50	32.50	28,433.96	134.2	950.40	1,198.52	1,331.54
Norwood.....	35.50	35.50	26,421.84	119.4	845.59	1,010.46	1,206.53

SYSTEM

E.O.—COST OF POWER

the Power Commission Act—of Power supplied to it by the Commission; the amount and the amount remaining to be credited or charged to each Municipality of Power supplied to it in the year ended October 31, 1939

costs and fixed charges				Revenue received in excess of cost of power sold to private companies (Credit)	Amount charged to each municipality in respect of power supplied to it in the year	Amounts received from (or billed against) each municipality by the Commission	Amounts remaining to be credited or charged to each municipality Credited (Charged)
Provision for renewals	Provision for contingencies and obsolescence	Provision for stabilization of rates	Provision for sinking fund				
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
1,326.70	248.36	391.60	814.73	10.61	9,892.13	10,292.99	400.86
179.71	42.38	76.40	117.29	2.07	1,646.95	1,679.69	32.74
1,527.78	499.96	1,637.00	1,282.87	44.35	24,523.79	24,552.95	29.16
574.45	115.79	210.60	364.95	5.71	4,434.55	4,739.25	304.70
207.11	41.71	69.60	141.77	1.89	1,670.83	2,005.36	334.53
7,663.27	2,934.17	11,029.40	9,220.60	298.83	143,265.77	145,226.68	1,960.91
452.28	103.67	209.20	336.49	5.67	4,472.10	4,916.18	444.08
4,945.27	1,549.10	4,565.80	4,750.47	123.71	70,296.51	70,768.34	471.83
704.45	227.19	606.80	656.20	16.44	9,688.82	9,708.78	19.96
6,539.83	2,122.69	7,170.60	5,571.40	194.28	91,968.93	93,217.78	1,248.85
449.83	151.59	458.80	373.00	12.43	6,717.31	6,462.76	(254.55)
3,151.72	910.85	2,986.40	2,532.31	80.91	40,142.47	42,062.11	1,919.64
716.73	193.61	504.00	526.94	13.66	8,206.43	8,359.67	153.24
427.00	84.80	131.40	263.22	3.56	3,365.54	4,003.29	637.75
3,741.19	1,235.75	3,721.20	3,719.40	100.82	58,436.93	57,679.88	(757.05)
421.03	134.97	358.20	390.09	9.71	5,841.74	5,908.92	67.18
663.72	178.58	308.40	494.45	8.36	6,444.24	7,067.98	623.74
342.41	76.91	156.80	226.82	4.25	3,211.90	3,359.86	147.96
368.34	95.40	197.20	286.65	5.34	3,938.82	4,142.60	203.78
701.84	158.42	282.40	502.30	7.65	6,108.87	6,566.57	457.70
1,117.57	277.94	739.20	804.47	20.03	11,732.38	12,935.71	1,203.33
15,398.88	4,947.39	16,963.80	16,083.70	459.62	238,051.77	229,011.32	(9,040.45)
944.60	237.87	560.80	761.02	15.19	10,180.54	10,471.47	290.93
328.29	75.72	157.20	218.79	4.26	2,973.29	3,145.32	172.03
287.20	54.37	81.60	175.43	2.21	2,184.04	2,464.87	280.83
5,607.24	1,667.17	4,890.20	5,251.53	132.49	80,156.94	83,132.23	2,975.29
730.21	185.90	353.60	550.71	9.58	8,217.09	7,666.75	(550.34)
383.33	113.66	240.20	314.76	6.51	4,420.53	4,618.24	197.71
108.00	27.82	67.60	76.92	1.83	1,278.62	1,427.65	149.03
568.36	114.09	175.80	351.41	4.76	4,219.11	4,270.22	51.11
220.64	61.84	135.40	179.83	3.67	2,849.20	2,708.66	(140.54)
506.48	161.46	414.20	389.59	11.22	6,537.62	6,732.32	194.70
2,322.26	779.76	2,356.60	2,330.71	63.85	34,853.92	35,350.07	496.15
328.36	101.20	268.40	299.08	7.27	4,470.23	4,360.40	(109.83)
303.32	97.69	238.80	271.98	6.47	3,967.90	4,237.49	269.59

EASTERN ONTARIO

Statement showing the amount to be paid by each Municipality as the Cost—under received by the Commission from each Municipality on account of such cost; upon ascertainment (by annual adjustment) of the actual Cost

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system	Average horse-power supplied in year after correction for power factor	Share of operating		
	To Dec. 31 1938	From Jan. 1 1939			Cost of power purchased	Operating, maintenance and administrative expenses	Interest
	\$ c.	\$ c.	\$ c.		\$ c.	\$ c.	\$ c.
Orono.....	48.00	37.00	21,469.20	84.2	596.30	1,008.79	1,003.49
Oshawa.....	30.50	30.50	2,789,878.01	14,121.3	100,006.43	102,521.78	130,076.25
Ottawa.....			964.71	19,543.9	214,983.06	133.46	45.14
Ottawa.....	20.50	20.50	983,779.27	9,928.7	70,314.62	48,155.96	45,791.16
Perth.....	28.00	28.00	230,717.51	1,484.1	10,510.33	9,069.99	10,740.04
Peterborough...	26.00	26.00	1,548,626.94	9,386.4	66,474.07	54,859.55	72,228.78
Picton.....	39.50	39.50	270,922.73	1,041.9	7,378.69	8,899.42	12,576.53
Port Hope.....	32.50	32.50	355,503.31	1,916.7	13,573.99	16,434.91	16,552.52
Prescott.....	26.50	26.50	148,856.93	995.0	7,046.55	6,315.68	6,936.10
Richmond.....	52.00	50.00	18,502.31	59.2	419.25	725.78	847.68
Russell.....	50.00	46.00	19,228.34	60.6	429.17	704.14	840.95
Smiths Falls....	25.00	25.00	312,968.99	2,294.1	16,246.72	12,948.77	14,525.11
Stirling.....	27.00	27.00	44,706.14	273.8	1,939.04	1,821.06	2,084.82
Trenton.....	24.00	24.00	524,843.06	3,492.8	24,735.86	18,391.67	24,482.97
Tweed.....	52.00	50.00	67,049.96	214.6	1,519.79	2,816.09	3,128.24
Warkworth.....	40.00	40.00	20,052.34	78.8	558.06	544.51	935.48
Wellington.....	38.00	38.00	46,833.49	192.2	1,361.15	1,604.59	2,174.19
Westport.....	62.00	55.00	37,610.25	85.7	606.92	847.10	1,744.97
Whitby.....	30.50	30.50	236,529.73	1,200.6	8,502.60	8,733.59	11,029.87
Williamsburg...	28.00	28.00	23,894.41	147.5	1,044.59	1,303.61	1,114.81
Winchester.....	31.00	31.00	52,753.19	299.6	2,121.75	2,429.74	2,458.74
Totals—Municipalities.....			13,530,322.16	98,259.3	772,442.08	523,669.81	630,295.84
Totals—Rural power districts....			1,835,117.96	9,982.6	79,047.32	68,469.12	85,511.60
Totals—Companies.....			3,237,385.35	18,551.3	159,122.04	119,781.52	150,972.62
Totals—Local electric distribution systems.....			109,391.18	473.8	3,355.43	9,180.09	5,556.52
Totals—Local gas distribution system.....						3,057.04	202.05
Totals—Pulp mill.....			278,522.92	1,426.8	10,104.53	21,273.25	12,973.27
			18,990,739.57				
Non-operating capital.....			99,079.02				
Grand totals.....			19,089,818.59	128,693.8	1,024,071.40	745,430.83	885,511.90

SYSTEM

E.O.—COST OF POWER

the Power Commission Act—of Power supplied to it by the Commission; the amount and the amount remaining to be credited or charged to each Municipality of Power supplied to it in the year ended October 31, 1939

costs and fixed charges				Revenue received in excess of cost of power sold to private companies (Credit)	Amount charged to each municipality in respect of power supplied to it in the year	Amounts received from (or billed against) each municipality by the Commission	Amounts remaining to be credited or charged to each municipality Credited (Charged)
Provision for renewals	Provision for contingencies and obsolescence	Provision for stabilization of rates	Provision for sinking fund				
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
278.60	72.57	168.40	225.86	4.56	3,349.45	3,115.09	(234.36)
30,498.03	9,348.21	28,242.60	29,336.55	765.21	429,264.64	430,699.88	1,435.24
19.30	4.82		10.16		215,195.94	215,195.94	
8,416.46	4,238.11	19,857.40	10,333.68	538.01	206,569.38	203,537.49	(3,031.89)
2,965.94	909.94	2,968.20	2,429.17	80.42	39,513.19	41,553.62	2,040.43
14,162.57	5,096.75	18,772.80	16,283.35	508.63	247,369.24	244,047.48	(3,321.76)
3,533.00	864.29	2,083.80	2,839.90	56.46	38,119.17	41,155.17	3,036.00
3,677.51	1,224.14	3,833.40	3,738.62	103.86	58,931.23	62,291.91	3,360.68
1,853.07	611.55	1,990.00	1,566.25	53.92	26,265.28	26,366.16	100.88
298.75	60.66	118.40	192.49	3.21	2,659.80	2,979.54	319.74
294.69	63.85	121.20	191.12	3.28	2,641.84	2,829.46	187.62
3,682.90	1,272.91	4,588.20	3,280.18	124.31	56,420.48	57,352.92	932.44
403.76	148.79	547.60	470.06	14.84	7,400.29	7,393.27	(7.02)
4,241.61	1,749.49	6,985.60	5,517.75	189.27	85,915.68	83,828.04	(2,087.64)
962.69	213.72	429.20	708.66	11.63	9,766.76	10,810.14	1,043.38
259.93	68.76	157.60	210.95	4.27	2,731.02	3,153.31	422.29
589.41	157.21	384.40	491.07	10.41	6,751.61	7,302.96	551.35
656.96	123.89	171.40	395.99	4.64	4,542.59	4,814.86	272.27
2,582.42	761.05	2,401.20	2,488.66	65.06	36,434.33	36,619.17	184.84
310.80	101.75	295.00	251.19	7.99	4,413.76	4,129.52	(284.24)
715.67	212.68	599.20	554.64	16.23	9,076.19	9,286.05	209.86
144,663.47	47,314.92	157,430.80	142,148.18	(4,265.42)	2,413,699.68	2,423,716.34	29,836.33 (19,819.67)
21,894.36	6,697.66	19,965.20	19,246.47	(540.93)	300,290.80	300,290.80	
36,251.75	12,173.53		40,762.48	15,533.66	534,597.60	534,597.60	
1,551.34	308.69		1,149.80	7,293.11	28,394.98	28,394.98	
				(1,016.10)	2,242.99	2,242.99	
1,964.00	773.35		2,375.78	(17,004.32)	32,459.86	32,459.86	
206,324.92	67,268.15	177,396.00	205,682.71		3,311,685.91	3,321,702.57	29,836.33 (19,819.67)

EASTERN ONTARIO

Statement showing the net Credit or Charge to each Municipality in respect of
and adjustments made during the year; also the net amount Credited
ended October 31, 1939, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1938	
		Credit	Charge
		\$ c.	\$ c.
Alexandria.....	Jan. 1921	840.46	.....
Apple Hill.....	April 1921	68.13	.....
Arnprior.....	Jan. 1939	.....	.....
Athens.....	Jan. 1929	183.47	.....
Bath.....	Nov. 1931	323.66	.....
Belleville.....	April 1929	16,755.32	.....
Bloomfield.....	April 1919	270.10	.....
Bowmanville.....	Oct. 1931	1,905.85	.....
Brighton.....	Nov. 1929	306.11	.....
Brockville.....	April 1915	5,120.05	.....
Cardinal.....	July 1930	463.88	.....
Carleton Place.....	May 1919	3,966.52	.....
Chesterville.....	April 1914	606.58	.....
Cobden.....	Nov. 1935	460.27	.....
Cobourg.....	Jan. 1932	2,557.57	.....
Colborne.....	Jan. 1933	98.49	.....
Deseronto.....	Jan. 1931	.....	183.16
Finch.....	Feb. 1928	556.90	.....
Hastings.....	June 1931	38.70	.....
Havelock.....	Feb. 1921	67.45	.....
Kemptville.....	Dec. 1921	861.81	.....
Kingston.....	Nov. 1937	.....	2,229.72
Lakefield.....	Aug. 1920	1,051.90	.....
Lanark.....	Sept. 1921	113.56	.....
Lancaster.....	May 1921	225.17	.....
Lindsay.....	Mar. 1928	5,979.84	.....
Madoc.....	Jan. 1930	.....	602.71
Marmora.....	Jan. 1921	644.17	.....
Martintown.....	May 1921	152.15	.....
Maxville.....	Feb. 1921	555.43	.....
Millbrook.....	Dec. 1938	.....	.....
Morrisburg.....	June 1938	.....	148.82
Napanee.....	Nov. 1929	1,433.27	.....
Newcastle.....	Jan. 1937	.....	154.87
Norwood.....	Feb. 1921	113.50	.....

SYSTEM

E.O.—CREDIT OR CHARGE

power supplied to it to October 31, 1938, the cash receipts and payments thereon or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1939

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1939		Accumulated amount standing as a credit or charge on October 31, 1939	
Credited	Charged	Credited	Charged	Credit	Charge
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	840.46	400.86	.....	400.86	.....
.....	68.13	32.74	.....	32.74	.....
.....	.....	29.16	.....	29.16	.....
.....	183.47	304.70	.....	304.70	.....
.....	323.66	334.53	.....	334.53	.....
.....	16,755.32	1,960.91	.....	1,960.91	.....
.....	270.10	444.08	.....	444.08	.....
.....	1,905.85	471.83	.....	471.83	.....
.....	306.11	19.96	.....	19.96	.....
.....	5,120.05	1,248.85	.....	1,248.85	.....
.....	463.88	.....	254.55	.....	254.55
.....	3,966.52	1,919.64	.....	1,919.64	.....
.....	606.58	153.24	.....	153.24	.....
.....	460.27	637.75	.....	637.75	.....
.....	2,557.57	.....	757.05	.....	757.05
.....	98.49	67.18	.....	67.18	.....
183.16	.....	623.74	.....	623.74	.....
.....	556.90	147.96	.....	147.96	.....
.....	38.70	203.78	.....	203.78	.....
.....	67.45	457.70	.....	457.70	.....
.....	861.81	1,203.33	.....	1,203.33	.....
2,229.72	.....	.....	9,040.45	.....	9,040.45
.....	1,051.90	290.93	.....	290.93	.....
.....	113.56	172.03	.....	172.03	.....
.....	225.17	280.83	.....	280.83	.....
.....	5,979.84	2,975.29	.....	2,975.29	.....
602.71	.....	.....	550.34	.....	550.34
.....	644.17	197.71	.....	197.71	.....
.....	152.15	149.03	.....	149.03	.....
.....	555.43	51.11	.....	51.11	.....
.....	.....	.....	140.54	.....	140.54
148.82	.....	194.70	.....	194.70	.....
.....	1,433.27	496.15	.....	496.15	.....
154.87	.....	.....	109.83	.....	109.83
.....	113.50	269.59	.....	269.59	.....

EASTERN ONTARIO

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made during the year; also the net amount Credited ended October 31, 1939, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1938	
		Credit	Charge
		\$ c.	\$ c.
Orono.....	Nov. 1938	.....	.....
Oshawa.....	Feb. 1929	16,034.17	.....
Ottawa.....	Jan. 1914	7,674.22	.....
Perth.....	Feb. 1919	3,083.46	.....
Peterborough.....	Mar. 1913	7,459.42	.....
Picton.....	April 1919	2,884.24	.....
Port Hope.....	Nov. 1929	3,706.91	.....
Prescott.....	Dec. 1913	1,372.96	.....
Richmond.....	Aug. 1928	417.69	.....
Russell.....	Feb. 1926	406.42	.....
Smiths Falls.....	Sept. 1918	2,939.03	.....
Stirling.....	Jan. 1930	219.89	.....
Trenton.....	Sept. 1931	1,950.38	.....
Tweed.....	Dec. 1930	1,177.80	.....
Warkworth.....	Oct. 1923	111.63	.....
Wellington.....	April 1919	463.17	.....
Westport.....	Nov. 1931	806.58	.....
Whitby.....	Jan. 1926	1,674.89	.....
Williamsburg.....	April 1915	70.51	.....
Winchester.....	Jan. 1914	354.13	.....
Totals—Municipalities.....		98,527.81	3,319.28
Totals—Rural power districts.....		201,832.67	105,439.15
Grand totals.....		300,360.48	108,758.43

SYSTEM

E.O.—CREDIT OR CHARGE

power supplied to it to October 31, 1938, the cash receipts and payments thereon or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1939

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1939		Accumulated amount standing as a credit or charge on October 31, 1939	
Credited	Charged	Credited	Charged	Credit	Charge
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
			234.36		234.36
	16,034.17	1,435.24		1,435.24	
	7,674.22		3,031.89		3,031.89
	3,083.46	2,040.43		2,040.43	
	7,459.42		3,321.76		3,321.76
	2,884.24	3,036.00		3,036.00	
	3,706.91	3,360.68		3,360.68	
	1,372.96	100.88		100.88	
	417.69	319.74		319.74	
	406.42	187.62		187.62	
	2,939.03	932.44		932.44	
	219.89		7.02		7.02
	1,950.38		2,087.64		2,087.64
	1,177.80	1,043.38		1,043.38	
	111.63	422.29		422.29	
	463.17	551.35		551.35	
	806.58	272.27		272.27	
	1,674.89	184.84		184.84	
	70.51		284.24		284.24
	354.13	209.86		209.86	
3,319.28	98,527.81	29,836.33	19,819.67	29,836.33	19,819.67
8,147.22	4,290.62	31,093.06	37,758.37	234,025.70	140,440.89
11,466.50	102,818.43	60,929.39	57,578.04	263,862.03	160,260.56

EASTERN ONTARIO SYSTEM

E.O.—SINKING FUND

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder as part of the cost of power delivered thereto, together with its proportionate share of other sinking funds provided out of other revenues of the system, and interest allowed thereon to October 31, 1939 —

Municipality	Period of years ending Oct. 31, 1939	Amount	Municipality	Period of years ending Oct. 31, 1939	Amount
		\$ c.			\$ c.
Alexandria.....	15 years	28,672.32	Millbrook.....	1 "	213.63
Apple Hill.....	15 "	3,064.15	Morrisburg.....	2 "	643.61
Arnprior.....	1 "	1,691.56	Napanee.....	10 "	37,282.05
Athens.....	11 "	5,593.78	Newcastle.....	3 "	1,115.51
Bath.....	8 "	1,842.44	Norwood.....	11 "	5,422.70
Belleville.....	11 "	153,210.16	Orono.....	1 "	267.90
Bloomfield.....	11 "	5,574.01	Oshawa.....	11 "	468,390.55
Bowmanville.....	8 "	51,505.31	Ottawa.....	24 "	170,721.21
Brighton.....	10 "	10,049.11	Perth.....	15 "	64,019.10
Brockville.....	19 "	158,514.71	Peterborough.....	11 "	275,836.29
Cardinal.....	10 "	4,741.76	Picton.....	11 "	47,602.73
Carleton Place.....	15 "	72,809.01	Port Hope.....	10 "	49,306.11
Chesterville.....	20 "	25,609.93	Prescott.....	20 "	44,832.92
Cobden.....	4 "	926.93	Richmond.....	12 "	2,544.87
Cobourg.....	8 "	38,418.95	Russell.....	14 "	5,125.83
Colborne.....	7 "	3,249.59	Smiths Falls.....	16 "	93,297.91
Deseronto.....	9 "	6,195.20	Stirling.....	10 "	7,843.64
Finch.....	12 "	3,899.58	Trenton.....	8 "	66,823.12
Hastings.....	9 "	3,210.32	Tweed.....	9 "	8,287.57
Havelock.....	11 "	11,113.89	Warkworth.....	11 "	3,501.65
Kemptville.....	15 "	18,996.04	Wellington.....	11 "	9,129.93
Kingston.....	2 "	41,282.87	Westport.....	8 "	4,102.64
Lakefield.....	11 "	11,662.35	Whitby.....	11 "	45,721.04
Lanark.....	15 "	5,725.54	Williamsburg.....	19 "	5,849.63
Lancaster.....	15 "	5,745.83	Winchester.....	20 "	18,297.90
Lindsay.....	11 "	84,009.74	Totals—Municipalities.....		\$2,216,217.14
Madoc.....	10 "	6,877.54	Totals—Rural power districts.....		455,994.86
Marmora.....	11 "	5,014.09			
Martintown.....	15 "	1,927.43			
Maxville.....	15 "	8,902.96	Grand totals.....		\$2,672,212.00

EASTERN ONTARIO SYSTEM *E.O.—RURAL OPERATING*

Rural Power Districts

Operating Account for Year Ended October 31, 1939

Revenue from customers in rural power districts.	\$766,209.79
Cost of power as provided to be paid under Power Commission Act. . . .	\$300,290.80
Cost of operation, maintenance and administration.	218,760.35
Interest.	154,120.34
Provision for renewals.	65,015.06
Provision for sinking fund.	34,688.55
	<hr/> 772,875.10
Balance.	<u><u>\$ 6,665.31</u></u>

THUNDER BAY

Statement showing the amount to be paid by each Municipality as the Cost—under received by the Commission from each Municipality on account of such cost; upon ascertainment (by annual adjustment) of the actual Cost

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system	Average horse-power supplied in year after correction for power factor	Operating, maintenance and administrative expenses	Interest
	To Dec. 31, 1938	From Jan. 1, 1939				
	\$ c.	\$ c.	\$ c.		\$ c.	\$ c.
Fort William.....	21.00	21.00	3,035,922.88	12,113.0	45,901.19	141,266.46
Port Arthur.....	21.00	21.00	8,941,798.50	35,888.3	132,682.40	415,915.25
Township of Nipigon..	30.00	28.00	36,346.03	155.0	1,509.65	1,675.61
Totals—Municipalities.....			12,014,067.41	48,156.3	180,093.24	558,857.32
Totals—Rural power districts.....			117,556.10	341.5	2,565.17	4,355.55
Totals—Companies.....			7,557,831.27	28,511.4	170,874.39	351,179.60
Totals—Local distribution systems.....			70,152.77		7,145.90	2,720.11
			19,759,607.55			
Non-operating capital.....			7,028.70			
Grand totals.....			19,766,636.25	77,009.2	360,678.70	917,112.58

THUNDER BAY

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made during the year; also the net amount Credited ended October 31, 1939, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1938	
		Credit	Charge
		\$ c.	\$ c.
Fort William.....	Oct. 1926	.....	6,080.39
Port Arthur.....	Dec. 1910	.....	9,849.08
Township of Nipigon.....	Jan. 1925	832.15	.....
Total—Municipalities.....		832.15	15,929.47
Total—Rural power districts.....		3,317.67	8,843.61
Grand total.....		4,149.82	24,773.08

SYSTEM

T.B.—COST OF POWER

the Power Commission Act—of Power supplied to it by the Commission; the amount and the amount remaining to be credited or charged to each Municipality of Power supplied to it in the year ended October 31, 1939

Provision for renewals	Provision for contingencies and obsolescence	Provision for stabilization of rates	Provision for sinking fund	Revenue received in excess of cost of power sold to private companies (Credit)	Amounts charged to each municipality in respect of power supplied to it in the year	Amounts received from (or billed against) each municipality by the Commission	Amounts remaining to be credited or charged to each municipality Credited (Charged)
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
26,705.03	14,154.26	6,056.50	31,906.75	10,910.31	255,079.88	254,872.89	(206.99)
78,330.22	41,672.37	17,944.15	93,977.60	32,324.98	748,197.01	753,653.43	5,456.42
308.91	170.18	77.50	382.06	139.61	3,984.30	4,400.11	415.81
105,344.16	55,996.81	24,078.15	126,266.41	(43,374.90)	1,007,261.19	1,012,926.43	5,872.23 (206.99)
873.64	439.31	170.75	984.51	(307.59)	9,081.34	9,081.34	.....
53,140.81	30,077.05	21,909.64	157,736.77	12,462.52	797,380.78	797,380.78	.....
.....	.....	.....	4,863.30	31,219.97	45,949.28	45,949.28	.....
159,358.61	86,513.17	46,158.54	289,850.99	.....	1,859,672.59	1,865,337.83	5,872.23 (206.99)

SYSTEM

T.B.—CREDIT OR CHARGE

power supplied to it to October 31, 1938, the cash receipts and payments thereon or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1939

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1939		Accumulated amount standing as a credit or charge on October 31, 1939	
Credited	Charged	Credited	Charged	Credit	Charge
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
6,080.39	.....	5,456.42	206.99	5,456.42	206.99
9,849.08	.....	415.81	.....	415.81	.....
.....	832.15	.....	.....	.....	.....
15,929.47	832.15	5,872.23	206.99	5,872.23	206.99
132.71	353.74	780.01	1,896.41	4,230.39	11,093.76
16,062.18	1,185.89	6,652.24	2,103.40	10,102.62	11,300.75

THUNDER BAY DISTRICT

T.B.—SINKING FUND

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder, as part of the cost of power delivered thereto, together with the proportionate share of other sinking funds provided out of other revenues of the system, and interest allowed thereon to October 31, 1939

Municipality	Period of years ending October 31, 1939	Amount
Fort William.....	13 years	\$ c. 632,854.47
Port Arthur.....	13 "	2,073,132.63
Township of Nipigon.....	13 "	5,357.48
Totals—Municipalities.....		2,711,344.58
Total—Rural power districts.....		13,169.27
Grand totals.....		2,724,513.85

MANITOULIN, NIPISSING AND SUDBURY RURAL POWER DISTRICTS

Operating Account for Year Ended October 31, 1939

Revenue from customers in rural power districts.....	\$62,455.62
Cost of power as provided to be paid under Power Commission Act.....	\$26,007.67
Cost of operation, maintenance and administration.....	15,665.56
Interest.....	7,430.19
Provision for renewals.....	3,250.87
Provision for sinking fund.....	1,750.90
	54,105.19
Balance.....	\$ 8,350.43

MANITOULIN, NIPISSING AND

Statement showing the net Credit or Charge in respect of power supplied to October 31, respect of power supplied in the year ending October 31, 1939, and the

Rural power district	Net credit or charge at October 31, 1938		Cash receipts and payments on account of such credits and charges; also adjustments made during the year	
	Credit	Charge	Credited	Charged
	\$ c.	\$ c.	\$ c.	\$ c.
Manitoulin.....		1,982.03		
Nipissing.....	17,333.34			
Sudbury.....				
Total.....	17,333.34	1,982.03		

THUNDER BAY SYSTEM T.B.—RURAL OPERATING

Rural Power Districts

Operating Account for Year Ended October 31, 1939

Revenue from customers in rural power districts.....	\$23,211.36
Cost of power as provided to be paid under Power Commission Act.....	\$9,081.34
Cost of operation, maintenance and administration.....	6,615.00
Interest.....	5,214.23
Provision for renewals.....	2,238.58
Provision for sinking fund.....	1,178.61
	<u>24,327.76</u>
Balance.....	<u>\$ 1,116.40</u>

MANITOULIN, NIPISSING AND SUDBURY RURAL POWER DISTRICTS

Statement showing Sinking Fund paid as part of the Cost of Power delivered and interest allowed thereon to October 31, 1939

Rural power districts	Total
	\$ c.
Manitoulin.....	3,447.23
Nipissing.....	3,071.40
Sudbury.....	782.70
Total.....	<u>7,301.33</u>

SUDBURY RURAL POWER DISTRICTS

1938, the interest added during the year; also the net amount Credited or Charged in accumulated amount standing as a Credit or Charge at October 31, 1939

Interest at 4% per annum added during the year		Net amount credited or charged in respect of power supplied in the year ending October 31, 1939		Accumulated amount standing as a credit or charge on October 31, 1939	
Credited	Charged	Credited	Charged	Credit	Charge
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	79.28	.....	2,291.96	.....	4,353.27
693.33	.....	2,357.58	.....	20,384.25	.....
.....	.....	8,284.81	.....	8,284.81	.....
693.33	79.28	10,642.39	2,291.96	28,669.06	4,353.27

NORTHERN ONTARIO PROPERTIES

(Operated by The Hydro-Electric Power Commission of Ontario)

FINANCIAL ACCOUNTS

For the Year ended October 31, 1939

Relating to Power Properties which are held and operated by the
Commission in trust for the Province of Ontario, and which
are situated in the following Northern Districts:

Nipissing

Sudbury

Abitibi

Patricia-St. Joseph

STATEMENTS

Balance Sheet as at October 31, 1939

Operating Account for the Year ended October 31, 1939

Schedules supporting the Balance Sheet as at October 31, 1939

Fixed Assets—By Districts

Renewals Reserves

Contingency and Obsolescence Reserves

Sinking Fund Reserves

NORTHERN ONTARIO

Held and Operated by The Hydro-Electric Power

Balance Sheet as at

ASSETS

FIXED ASSETS:

Nipissing district.....	\$1,742,844.78	
Sudbury district.....	4,178,973.07	
Abitibi district.....	28,748,267.18	
Patricia district*.....	2,447,826.86	
St. Joseph district*.....	1,510,314.56	
Kenogami River:—Long Lac diversion.....	1,260,608.64	
		<u>\$39,888,835.09</u>

CURRENT ASSETS:

Employees' working funds.....	\$5,825.55	
Hydro-Electric Power Commission of Ontario—Current account.....	54,888.33	
Sundry accounts receivable.....	41,685.10	
Power accounts receivable.....	388,958.80	
Interest accrued.....	19,430.21	
Consumers' deposits—securities:		
Bonds at par value.....	\$558,000.00	
Stocks at book value.....	27,500.00	
		<u>585,500.00</u>
Prepayments.....	35,133.86	
		<u>1,131,421.85</u>

INVENTORIES:

Maintenance materials and supplies.....	\$74,814.86	
Maintenance tools and equipment.....	69,083.08	
		<u>143,897.94</u>

DEFERRED ASSETS:

Work in Progress—deferred work orders.....	6,613.35
--	----------

UNAMORTIZED DISCOUNT ON DEBENTURES.....	435,473.33
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SINKING FUND INVESTMENTS.....	1,941,351.44
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\$43,547,593.00

*During the year 1939 the Patricia district and the St. Joseph district were linked together by a tie transmission line and the physical properties are now operated as a co-ordinated generating and transmission system. In future these districts will be known as the Patricia-St. Joseph district.

PROPERTIES

Commission of Ontario in trust for the Province of Ontario

October 31, 1939

LIABILITIES AND RESERVES

LONG TERM LIABILITIES:

Funded debt in the hands of the public.....	\$29,500,000.00	
Advances from the Province of Ontario for capital expenditures	6,223,284.82	
Purchase agreement—Abitibi district: Transmission line.....	17,989.50	
		<u>\$35,741,274.32</u>

CURRENT LIABILITIES:

Power accounts—credit balances.....	\$2,210.37	
Consumers' deposits.....	650,144.12	
Debenture interest accrued.....	108,333.32	
Miscellaneous interest accrued.....	181.37	
Miscellaneous accruals.....	14,893.40	
		<u>775,762.58</u>

RESERVES:

Renewals.....	\$2,128,303.65	
Contingencies and obsolescence.....	756,160.79	
Miscellaneous.....	20,960.23	
		<u>2,905,424.67</u>

SINKING FUND RESERVES:

Represented by:

Provincial advances repaid through sinking funds.....	\$1,975,602.58	
Available balance.....	1,947,301.87	
		<u>3,922,904.45</u>

SURPLUS.....	202,226.98	
		<u>\$43,547,593.00</u>

Auditors' Certificate

We have examined the Accounts of the Northern Ontario Properties for the year ended the 31st October, 1939, and report that, in our opinion, the above Balance Sheet is properly drawn up so as to exhibit a true and correct view of the state of the affairs of Northern Ontario Properties at the 31st October, 1939, according to the best of our information and the explanations given to us and as shown by the books and records of the Properties. We have obtained all the information and explanations we have required.

Dated at Toronto, Ontario,
29th February, 1940.

OSCAR HUDSON AND CO.,
Chartered Accountants,
Auditors.

NORTHERN ONTARIO

EMBRACING THE NIPISSING, SUDBURY, ABITIBI,
AND LONG LACHeld and Operated by The Hydro-Electric
In Trust for the

Operating Account for the

COST OF OPERATION

Power purchased.....	\$ 3,723.46
Operating, maintenance and administrative expenses.....	762,828.87
Interest.....	1,376,483.62
Provision for renewals.....	309,809.61
Provision for contingencies and obsolescence.....	201,638.41
Provision for sinking fund.....	1,147,414.01
<hr/>	
Total cost.....	\$3,801,897.98
Net income for year.....	379,302.95
<hr/>	
	<u>\$4,181,200.93</u>

PROPERTIES

PATRICIA-ST. JOSEPH DISTRICTS DIVERSION

Power Commission of Ontario

Province of Ontario

Year Ended October 31, 1939

REVENUE

Power sold to private companies and customers.....	\$4,164,343.52
Power sold to rural power districts.....	16,857.41

\$4,181,200.93

Surplus Account—as at October 31, 1939

Deficits to October 31, 1937.....	\$453,656.61	
Add: Interest to October 31, 1938, on amounts advanced by Province of Ontario for oper- ating deficits.....	107,761.71	\$561,418.32
Advances from Province of Ontario for operating def- icits.....	\$466,003.10	
Add: Interest thereon to October 31, 1939.....	109,920.85	
	\$575,923.95	
Less: Repayment March 31, 1939.....	300,000.00	
		\$275,923.95
Net income for the year ended October 31, 1938.....		108,418.40
Net income for the year ended October 31, 1939.....		379,302.95
Balance at credit October 31, 1939.....	\$202,226.98	
	<hr/>	<hr/>
	\$763,645.30	\$763,645.30

NORTHERN ONTARIO PROPERTIES

Held and Operated by The Hydro-Electric Power Commission of Ontario
in Trust for the Province of Ontario

Fixed Assets—October 31, 1939

District	Net capital expenditures in the year	Fixed Assets				
		Under construction	In service			Total
			Water rights and intangible items	Physical property		
				Non-renewable	Renewable	
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
NIPISSING:						
Power Plants:						
South river:						
Nipissing.....	3,587.24	1,346.87		11,089.60	241,362.21	253,798.68
Bingham Chute.....	22.69	522.69		11,593.60	227,839.43	239,955.72
Elliot Chute.....	298.40	298.40		119,307.09	335,149.71	454,755.20
Storage Dams.....					76,122.70	76,122.70
Miscellaneous.....					6,390.46	6,390.46
Intangible.....			69,478.34			69,478.34
	3,908.33	2,167.96	69,478.34	141,990.29	886,864.51	1,100,501.10
Transformer Stations.....	11,945.10	2,606.06			28,949.77	31,555.83
Transmission Lines.....	8,599.08				209,331.30	209,331.30
Local Systems.....	5,278.71		22,649.50		378,807.05	401,456.55
	19,173.80	4,774.02	92,127.84	141,990.29	1,503,952.63	1,742,844.78
SUDBURY:						
Power Plants:						
Wanapitei river:						
Coniston.....	7,163.25	1,380.15		13,200.00	673,488.99	688,069.14
McVitties.....	11,965.78			19,595.82	387,544.52	407,140.34
Stinson.....	2,065.15			33,000.00	641,832.99	674,832.99
Storage dam.....				25.00	194,870.00	194,895.00
Intangible.....			830,514.53			830,514.53
Sturgeon river:						
Crystal Falls and Storage Dams.....	14,715.03	460.16		44,056.02	785,603.95	830,120.13
	11,977.65	1,840.31	830,514.53	109,876.84	2,683,340.45	3,625,572.13
Transformer Stations.....	1,150.57	348.52			110,017.35	110,365.87
Transmission Lines.....	20,386.96	17,306.71			425,728.36	443,035.07
Local Systems.....	46,800.08					
	13,284.90	19,495.54	830,514.53	109,876.84	3,219,086.16	4,178,973.07
ABITIBI:						
Power Plants:						
Abitibi river:						
Abitibi Canyon.....	62,883.07	2,564.03		5,373,977.93	14,268,677.67	19,645,219.63
Frederick House Dam.....	42,294.21	6,305.11	485,408.80	110,435.95	495,567.23	1,097,717.09
	105,177.28	8,869.14	485,408.80	5,484,413.88	14,764,244.90	20,742,936.72
Transformer Stations.....	577,740.86	398,613.64		215,856.69	1,195,576.22	1,810,046.55
Transmission Lines.....	260,771.92	18,429.71		825,779.89	5,274,668.85	6,118,878.45
Local Systems.....	16,608.51	567.95			75,837.51	76,405.46
	749,944.01	426,480.44	485,408.80	6,526,050.46	21,310,327.48	28,748,267.18

NORTHERN ONTARIO PROPERTIES

Held and Operated by The Hydro-Electric Power Commission of Ontario
in Trust for the Province of Ontario

Fixed Assets—October 31, 1939

District	Net capital expenditures in the year	Fixed Assets				
		Under construction	In service			Total
			Water rights and intangible items	Physical property		
				Non-renewable	Renewable	
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
PATRICIA:*						
Power Plants:						
English river:						
Ear Falls.....	525,167.61	505,473.92		1,120,039.37		1,625,513.29
Transformer Stations.....	22,247.53	36.96		29,285.65		29,322.61
Transmission Lines.....	517,969.23	59,954.37		700,611.10		760,565.47
Local Systems.....	22,290.04			32,425.49		32,425.49
	1,087,674.41	565,465.25		1,882,361.61		2,447,826.86
St. JOSEPH:*						
Power Plants:						
Albany river:						
Rat Rapids.....	2,213.18			674,590.27		674,590.27
Donation in aid of construction.....				80,000.00		80,000.00
	2,213.18			594,590.27		594,590.27
Transformer Stations.....	109,204.20	149.29		114,083.93		114,233.22
Transmission Lines.....	684,285.31			801,491.07		801,491.07
	795,702.69	149.29		1,510,165.27		1,510,314.56
KENOGAMI RIVER:						
Long Lac Diversion.....	239,355.20			1,260,608.64		1,260,608.64

SUMMARY

District	Net capital expenditures in the year	Fixed Assets				
		Under construction	In service			Total
			Water rights and intangible items	Physical property		
				Non-renewable	Renewable	
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Nipissing district.....	19,173.80	4,774.02	92,127.84	141,990.29	1,503,952.63	1,742,844.78
Sudbury district.....	13,284.90	19,495.54	830,514.53	109,876.84	3,219,086.16	4,178,973.07
Abitibi district.....	749,944.01	426,480.44	485,408.80	6,526,050.46	21,310,327.48	28,748,267.18
Patricia district*	1,087,674.41	565,465.25	.....	1,882,361.61	.....	2,447,826.86
St. Joseph district*	795,702.69	149.29	.....	1,510,165.27	.....	1,510,314.56
Kenogami river—Long Lac diversion.....	239,355.20	.....	.....	1,260,608.64	.....	1,260,608.64
	2,878,565.21	1,016,364.54	1,408,051.17	11,431,053.11	26,033,366.27	39,888,835.09

*During the year 1939 the Patricia district and the St. Joseph district were linked together by a tie transmission line and the physical properties are now operated as a co-ordinated generating and transmission system. In future these districts will be known as the Patricia-St. Joseph district.

NORTHERN ONTARIO PROPERTIES

Embracing the Nipissing, Sudbury, Abitibi and Patricia-St. Joseph Districts
Held and Operated by The Hydro-Electric Power Commission of Ontario
In Trust for the Province of Ontario

Renewals Reserve—October 31, 1939

Balance at November 1, 1938.....	\$1,755,942.75	
Deduct—Reserve transferred in respect of Sudbury rural power district, November 1, 1938.....	509.58	
	<u>\$1,755,433.17</u>	
Provision in the year.....	\$309,809.61	
Interest at 4% on reserve balance.....	70,217.33	
Adjustments re transfer of equipment.....	2,141.89	
	<u>382,168.83</u>	
Sub-total.....	\$2,137,602.00	
Expenditures in the year.....	9,298.35	
	<u>\$2,128,303.65</u>	
Balance at October 31, 1939.....		<u><u>\$2,128,303.65</u></u>

Contingencies and Obsolescence Reserve—October 31, 1939

Balance at November 1, 1938.....	\$610,079.25	
Deduct—Reserve transferred in respect of Sudbury rural power district, November 1, 1938.....	254.79	
	<u>\$609,824.46</u>	
Provision in the year.....	\$201,638.41	
Interest at 4% on reserve balance.....	24,392.98	
Adjustments re transfer of equipment.....	56.00	
	<u>226,087.39</u>	
Sub-total.....	\$835,911.85	
Contingencies met with during year.....	79,751.06	
	<u>\$756,160.79</u>	
Balance at October 31, 1939.....		<u><u>\$756,160.79</u></u>

Sinking Fund Reserve—October 31, 1939

Balance at November 1, 1938.....	\$2,665,151.42	
Additional provision to October 31, 1938.....	105,135.98	
	<u>\$2,770,287.40</u>	
Deduct—Reserve transferred in respect of Sudbury rural power district, November 1, 1938.....	454.30	
	<u>\$2,769,833.10</u>	
Provision in the year.....	\$1,042,278.03	
Interest at 4% on reserve balance.....	110,793.32	
	<u>1,153,071.35</u>	
Balance at October 31, 1939.....		<u><u>\$3,922,904.45</u></u>

THE HAMILTON STREET RAILWAY COMPANY

(A Subsidiary of The Hydro-Electric Power Commission of Ontario—
Niagara System)

FINANCIAL ACCOUNTS

For the Year ended October 31, 1939

Balance Sheet as at October 31, 1939

Operating and Income Accounts for the Year ended October 31, 1939

THE HAMILTON STREET

(A Subsidiary of The Hydro-Electric Power

Balance Sheet as at

ASSETS

FIXED ASSETS:

Properties, road and equipment, buses, franchises, etc..... \$4,218,426.34

CURRENT ASSETS:

Cash in bank	\$98,087.77	
Conductors' and employees' advances	12,000.00	
Hydro-Electric Power Commission of Ontario—Current ac- count	10,962.01	
Accounts receivable	2,637.91	
Prepayments	4,996.60	
		<hr/>
		\$128,684.29

MATERIALS AND SUPPLIES..... 49,752.17

RESERVE FUNDS—INVESTMENTS..... 149,372.40

\$4,546,235.20

RAILWAY COMPANY

Commission of Ontario—Niagara System)

October 31, 1939

LIABILITIES AND RESERVES

CAPITAL STOCK:

Authorized—80,000 shares at a par value of \$50.00 each.....	\$4,000,000.00
Issued —64,100 shares at a par value of \$50.00 each.....	\$3,205,000.00

CURRENT LIABILITIES:

Customers' deposit.....	90.00
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RESERVES:

Depreciation—road and equipment.....	\$1,234,015.87
Insurance.....	57,105.82
Miscellaneous.....	36,741.85
	<u>1,327,863.54</u>

SURPLUS.....	13,281.66
	<u>\$4,546,235.20</u>

Auditors' Certificate

We have examined the Accounts of The Hamilton Street Railway Company for the year ended the 31st October, 1939, and report that, in our opinion, the above Balance Sheet is properly drawn up so as to exhibit a true and correct view of the state of the Company's affairs at the 31st October, 1939, according to the best of our information and the explanations given to us and as shown by the books of the Company. We have obtained all the information and explanations we have required.

OSCAR HUDSON AND Co.,

Chartered Accountants,

Auditors

Dated at Toronto, Ontario,
29th February, 1940.

THE HAMILTON STREET RAILWAY COMPANY

(A Subsidiary of The Hydro-Electric Power Commission of Ontario—Niagara System)
Operating Statement for the Year Ended October 31, 1939

	Tramways		Buses		Total
	\$	c.	\$	c.	\$ c.
REVENUES:					
Transportation.....	788,652.	40	229,937.	45	1,018,589.85
Other operations.....	9,093.	30	674.	57	9,767.87
	797,745.	70	230,612.	02	1,028,357.72
EXPENSES:					
Maintenance of way and structures.....	60,523.	27			60,523.27
Maintenance of equipment.....	64,877.	04	40,432.	09	105,309.13
Power purchased.....	111,551.	87			111,551.87
Transportation expenses.....	247,925.	96	119,065.	03	366,990.99
Traffic expenses.....	56.	50			56.50
General and miscellaneous expenses.....	72,318.	46	11,592.	58	83,911.04
Depreciation provision.....	50,000.	00	8,118.	70	58,118.70
Taxes (Municipal and Franchise).....	54,211.	45	11,168.	09	65,379.54
	661,464.	55	190,376.	49	851,841.04
NET REVENUE FOR YEAR.....	136,281.	15	40,235.	53	176,516.68

Surplus Account—as at October 31, 1939

	\$	c.	\$	c.
Balance at credit October 31, 1938.....			13,992.	64
Net revenue for year ended October 31, 1939.....			176,516.	68
Income from investments—reserve funds.....			1,515.	92
Appropriation for renewals reserve.....	1,010.	62		
Appropriation for insurance reserve.....	505.	30		
Dividend.....	177,227.	66		
Balance at credit October 31, 1939.....	13,281.	66		
	192,025.	24	192,025.	24

SECTION X

MUNICIPAL ACCOUNTS

and

Statistical Data Relating to Hydro-Electric Distribution Systems Operated by Individual Municipalities Served by The Hydro-Electric Power Commission of Ontario

The Municipal Accounts section of this report presents in summary, and individually, the results of the operation of the local electrical utilities in municipalities owning their own distributing systems and operating with energy supplied by or through The Hydro-Electric Power Commission.

Financial statements prepared from the books of these "Hydro" utilities are submitted herein to show how each has operated during the past year, and its financial status at the present time. Other tables give useful statistical information respecting average costs for the various classes of service and the rates in force.

The books of account of the electrical utilities in all municipalities which have contracted with The Hydro-Electric Power Commission of Ontario for a supply of power are kept in accordance with an accounting system designed by the Commission. During the year 1939 this standard method of accounting was installed in Arnprior, Millbrook, Morrisburg, Orono, and Sioux Lookout.

Periodical inspections are made of the books of all "Hydro" electrical utilities and local officials are assisted in the improvement of their office routine with a view to standardizing, as far as possible, the methods employed. In the majority of the smaller municipalities much of the book-keeping for the electrical utilities is performed by representatives of the municipal accounting department of the Commission as a measure of economy. This arrangement insures the correct application of the standard accounting system, with resultant uniformity in classification of revenues and expenditures; secures true reflections of the actual operating results for the year, and greatly enhances the comparative values of the reports.

The first financial statement in this section presents consolidated balance sheets for each year since 1913, and thus shows the march of progress. It combines the balance sheets of the local municipal utilities of all the systems. It is worth noting that the total plant value has increased from \$10,081,469.16

in 1913 to \$99,489,754.98 in 1939, and the total assets from \$11,907,826.86 to \$173,522,878.40. The liabilities have not increased in the same proportion as the assets, rising from \$10,468,351.79 to a maximum of \$52,685,316.86 in 1932, and receding to \$34,241,489.78 in 1939. The reasons for this are the regular fulfilment of debt retirement schedules under serial debenture provisions or by maturity of sinking funds, and also the fact that much of the cost of the increasing plant value has been financed out of reserves and surplus without increasing the capital liabilities of the respective utilities. By this procedure the funds of the systems are used to best advantage. Examination of the results will also show that there is a steady decline in the percentage of net liabilities to total assets; being from 88.0 per cent in 1913 to 19.3 per cent in 1939. The equities in The Hydro-Electric Power Commission's systems automatically acquired through the inclusion of sinking funds as part of the cost of power are not taken into account in arriving at these percentages.

The second financial statement presents consolidated operating reports for each year since "Hydro" service was inaugurated and combines the results from the local municipal utilities of all the systems. After providing for every cost of operation and fixed charges, including the standard provision for depreciation, the combined operating reports show a net surplus of \$866,909.54 for 1939. (See also diagrams in Foreword to Report.)

The five statements, "A" to "E", following the two consolidated reports show the financial status of each municipal utility and the results of operations, giving classified information respecting revenue, operating costs, number of consumers and consumption, cost of power to municipalities, power and lighting rates charged to consumers, etc. In statements "A" and "B", the municipalities are arranged alphabetically under each system; in statement "D" the municipalities are arranged in three groups—cities, towns and small municipalities; in statements "C" and "E" all municipalities are arranged alphabetically.

Statement "A" presents the balance sheet of each electrical utility. The plant values are shown under the general subdivisions specified in the standard accounting system and the other items on the positive side of the ledger which are included in total assets are self-explanatory with the exception, perhaps, of the item entitled "equity in H-E.P.C. systems." The sinking fund portion of the cost paid year by year to the Commission for power is for the purpose of ultimately retiring the capital liabilities incurred by the Commission on behalf of the municipalities. A municipality's aggregate equity in the Commission's systems at any time is the total of the sinking fund payments that have been credited to it, together with interest. The total sinking fund equity acquired by these municipalities to the end of 1939 is shown in the consolidated balance sheet to be \$48,615,296.94.

In conformity with a policy of service at cost to the customer, refunds by cash or credit were made during the year in many municipalities from surplus funds accrued to the credit of municipal services, such as street lighting, water works, sewage disposal, etc., and to individual customers. The amounts of the accumulated surplus rebated equalled, in different municipalities, from five per cent to twenty per cent of the previous year's revenue. The total thus returned to customers during the year 1939 amounted in round figures to \$500,000.00.

In each case the balance sheet includes the credit or charge representing the difference between the monthly payments for power at interim rates and the cost of power as ascertained by the Commission upon annual adjustment.

The reserves for depreciation, and the acquired equity in The Hydro-Electric Power Commission's systems, are listed individually and totalled; and under the heading "surplus" are included not only the free operating surplus but the accumulation of sinking fund applicable to debenture debt and also the amount of debentures already retired out of revenue.

The depreciation reserve now amounts to 27.7 per cent of the total depreciable plant, while the depreciation reserve and surplus combined have already reached the sum of \$87,575,620.34, approximately 88.0 per cent of the total plant cost.

Statement "B" shows detailed operating reports for each municipal electrical utility. It gives annual revenues from the various classes of consumers; the items of expenditure which make up the total annual expenditure and the sums set aside for depreciation. The population served by each local utility and the number of consumers of each class are also shown.

The item "power purchased" in this statement includes the debit or credit balances ascertained by the annual adjustment of the cost of power supplied to the municipalities by the Commission.

Of the 293 municipal electric utilities included in this statement, 229 received from consumers revenue sufficient to meet in full all operating expenses, interest, debt retirement instalments, and standard depreciation reserve allocation and to yield an aggregate net surplus of \$1,053,245.51 for the year; 52 were able to defray out of revenue all such charges except a portion of the standard depreciation allocation aggregating \$156,854.68, in the case of 12 utilities the revenue was less than the total operating expenses, interest and debt retirement instalments by \$9,248.43.

Statement "C" shows the installation of street lights in each municipality together with the rates approved by this Commission, the revenue for 1939, and the cost per capita in each municipality.

Statement "D" presents statistics relating to the supply of electrical energy to consumers in Ontario municipalities served by the Commission. It shows the revenue, kilowatt-hour consumption, number of consumers, average monthly consumption, average monthly bill and the net average cost per kilowatt-hour both for domestic and for commercial light service in each municipality. For power service this statement shows the revenue, the number of consumers and the average horsepower supplied by the municipal utility.* For further reference to this informative statement, consult the special introduction to it on page 328.

Statement "E" presents the cost per horsepower of the power provided for and delivered to the municipalities by the Commission, and the local rates to consumers in force in the respective municipalities, during the year 1939, for domestic service, for commercial light service and for power service.

*The statistics include retail power only. Wholesale industrial power as supplied by the Commission direct, is reported in Section IX.

CONSOLIDATED

YEAR.....	1913	1914	1915
Number of municipalities included.....	45	69	99
ASSETS	\$ c.	\$ c.	\$ c.
Lands and buildings.....	626,707.34	791,732.20	873,838.18
Substation equipment.....	1,090,875.69	1,476,087.84	1,582,062.56
Distribution system—overhead.....	2,690,834.74	3,422,763.93	4,234,626.05
Distribution system—underground.....	644,514.24	807,153.53	928,420.77
Line transformers.....	615,546.20	787,613.52	981,754.70
Meters.....	840,606.64	1,172,475.11	1,418,165.08
Street lighting equipment—regular.....	900,614.80	1,071,255.37	1,309,628.49
Street lighting equipment—ornamental.....	62,765.34	270,386.55	197,644.82
Miscellaneous construction expenses.....	866,551.89	2,062,035.90	1,701,182.66
Steam or hydraulic plant.....	1,401,175.28	420,108.33	461,651.60
Old plant.....	341,277.00	619,513.12	1,184,372.86
Total plant.....	10,081,469.16	12,901,125.40	14,873,347.77
Bank and cash balance.....	450,887.97	422,350.12	284,653.96
Securities and investments.....			
Accounts receivable.....	344,487.95	561,873.08	602,920.69
Inventories.....	540,274.58	615,226.76	726,556.76
Sinking fund on local debentures.....	431,747.27	625,217.03	868,983.78
Equity in H-E.P.C. systems.....			
Other assets.....	58,959.93	123,410.97	326,801.11
Total assets.....	11,907,826.86	15,249,203.36	17,683,264.07
LIABILITIES			
Debenture balance.....	8,711,308.37	10,678,078.36	11,831,811.03
Accounts payable.....	1,553,711.45	1,682,150.29	2,040,038.01
Bank overdraft.....	160,919.16	228,622.50	292,106.44
Other liabilities.....	42,412.81	113,838.66	37,388.31
Total liabilities.....	10,468,351.79	12,702,689.81	14,201,343.79
RESERVES			
For equity in H-E.P.C. systems.....			
For depreciation.....	478,145.88	850,618.07	1,337,739.73
Other reserves.....			
Total reserves.....	478,145.88	850,618.07	1,337,739.73
SURPLUS			
Debentures paid.....	202,751.26	320,129.10	394,466.22
Local sinking fund.....	431,747.27	625,217.03	868,983.78
Operating surplus.....	326,830.66	750,549.35	880,730.55
Total surplus.....	961,329.19	1,695,895.48	2,144,180.55
Total liabilities, reserves and surplus...	11,907,826.86	15,249,203.36	17,683,264.07
Percentage of net debt to total assets...	88.0	88.3	80.3

NOTE—In computing the “percentage of net debt to total assets” the ornamental street lighting capital, sinking fund on local debentures, and equity in H-E.P.C. systems, are excluded

BALANCE SHEET

1916	1917	1918	1919	1920	1921
128	143	166	191	195	215
\$ c. 1,335,936.33 1,934,626.12 4,832,353.27 1,095,709.62 1,179,132.07 1,711,299.49 1,251,057.13 306,388.95 2,059,263.42 864,500.01 759,748.66	\$ c. 1,546,241.41 2,471,293.82 6,090,073.42 1,157,059.90 1,483,839.44 1,999,095.48 1,237,734.69 361,975.74 2,184,015.84 896,753.20 649,852.51	\$ c. 1,859,888.69 2,820,488.70 6,627,237.39 1,216,288.59 1,772,691.35 2,238,143.70 1,200,625.65 531,502.61 2,395,096.50 214,575.75 1,476,413.00	\$ c. 1,995,545.83 2,915,125.56 7,445,820.31 1,206,296.88 2,073,113.45 2,587,566.32 1,206,638.71 546,497.68 2,530,101.08 986,200.57 805,959.89	\$ c. 2,175,568.24 3,231,050.80 8,579,881.49 1,313,369.29 2,560,581.59 3,053,135.20 1,269,006.98 557,678.13 2,697,636.12 757,194.47 864,298.39	\$ c. 3,230,985.63 5,403,689.90 8,397,361.48 1,401,135.97 3,077,649.83 3,552,076.79 1,335,997.13 610,586.70 3,030,134.16 704,848.46 912,388.55
17,330,015.07	20,077,935.45	22,352,951.93	24,298,866.28	27,059,400.70	31,656,854.60
1,061,029.90	340,026.50	391,194.91	462,437.23	943,858.12	900,842.34
695,152.23	1,285,097.33	1,124,018.44	627,076.53	341,855.88	477,678.69
764,504.59	1,261,398.36	972,996.96	1,921,166.69	2,022,538.88	2,155,788.62
1,166,017.73	1,337,578.96	1,663,298.05	1,032,569.75	1,400,671.89	1,504,596.28
342,215.87	125,240.05	444,787.63	1,925,455.77	2,244,004.34	2,541,718.35
			369,071.89	577,584.06	795,570.51
			86,216.05	25,447.07	78,929.84
21,358,935.39	24,427,276.65	26,949,247.92	30,722,860.19	34,615,360.94	40,111,979.23
15,058,641.57	15,593,773.61	17,209,217.70	18,133,462.44	19,268,072.04	21,619,220.99
969,187.75	1,537,669.11	1,007,727.79	1,420,926.66	1,840,137.54	1,887,567.93
178,413.26	886,177.94	576,816.49	403,235.57	514,671.99	989,099.98
491,874.90	429,104.20	350,013.21	670,271.90	642,293.65	938,368.84
16,698,117.48	18,446,724.86	19,143,775.19	20,627,896.57	22,265,175.22	25,434,257.74
1,843,804.68	2,463,723.83	3,133,550.17	373,871.89	577,584.06	800,249.05
			3,750,162.28	4,788,645.03	5,491,858.93
1,843,804.68	2,463,723.83	3,133,550.17	4,124,034.17	5,366,229.09	6,292,107.98
549,778.59	694,797.90	920,076.56	1,328,657.68	1,440,156.52	1,860,079.53
1,165,785.94	1,340,615.38	1,662,602.69	1,754,020.37	2,246,474.47	2,541,718.35
1,101,448.70	1,481,414.68	2,089,243.31	2,888,251.40	3,297,325.64	3,983,815.63
2,817,013.23	3,516,827.96	4,671,922.56	5,970,929.45	6,983,956.63	8,385,613.51
21 358,935.39	24,427,276.65	26,949,247.92	30,722,860.19	34,615,360.94	40,111,979.23
78.4	75.5	71.0	67.9	65.4	64.7

from assets; and the total liabilities are reduced by the amount of the local sinking fund reserve, and the liability in respect to the ornamental street lighting capital, which amount is included in other liabilities.

CONSOLIDATED

YEAR.....	1922	1923	1924
Number of municipalities included.	226	235	248
ASSETS	\$ c.	\$ c.	\$ c.
Lands and buildings.....	3,334,522.68	4,488,054.93	4,561,648.92
Substation equipment.....	5,046,857.98	6,015,919.75	6,800,238.00
Distribution system—overhead.....	11,165,330.24	13,135,581.76	14,182,190.33
Distribution system—underground.....	1,598,053.02	1,959,120.41	2,873,446.13
Line transformers.....	3,618,684.73	4,211,655.89	4,456,669.02
Meters.....	4,033,689.52	4,548,933.73	5,149,629.71
Street lighting equipment—regular.....	1,419,016.05	1,061,473.85	1,134,491.77
Street lighting equipment—ornamental.....	666,084.50	708,431.22	728,298.08
Miscellaneous construction expenses.....	3,261,495.74	3,681,274.88	4,168,262.21
Steam or hydraulic plant.....	565,158.54	566,619.86	4,196,803.45
Old plant.....	7,997,947.87	8,051,496.28	5,587,420.31
Total plant.....	42,706,840.87	48,428,562.56	53,839,097.93
Bank and cash balance.....	1,164,336.24	1,276,140.06	1,748,912.34
Securities and investments.....	443,938.18	1,153,424.47	1,329,622.58
Accounts receivable.....	3,874,317.14	3,198,769.34	3,898,751.89
Inventories.....	1,738,795.96	1,819,711.62	1,745,628.16
Sinking fund on local debentures.....	3,416,231.45	3,896,261.28	4,520,723.06
Equity in H-E.P.C. systems.....	1,543,434.12	2,929,603.94	5,420,567.58
Other assets.....	238,940.13	190,071.63	250,292.77
Total assets.....	55,126,834.09	62,892,544.90	72,753,596.31
LIABILITIES			
Debenture balance.....	30,454,186.12	33,056,501.29	38,005,162.50
Accounts payable.....	3,699,292.52	3,708,781.76	3,117,224.08
Bank overdraft.....	456,706.69	680,714.59	162,100.71
Other liabilities.....	586,203.02	1,517,828.47	1,780,564.27
Total liabilities.....	35,196,388.35	38,963,826.11	43,065,051.56
RESERVES			
For equity in H-E.P.C. systems.....	1,543,434.12	2,929,603.94	5,420,567.58
For depreciation.....	6,512,813.92	7,328,858.69	8,097,834.68
Other reserves.....			
Total reserves.....	8,056,248.04	10,258,462.63	13,518,402.26
SURPLUS			
Debentures paid.....	3,104,591.15	2,852,038.38	3,530,610.35
Local sinking fund.....	3,416,231.45	3,896,261.28	4,520,723.06
Operating surplus.....	5,353,375.10	6,921,956.50	8,118,809.08
Total surplus.....	11,874,197.70	13,670,256.16	16,170,142.49
Total liabilities, reserves and surplus....	55,126,834.09	62,892,544.90	72,753,596.31
Percentage of net debt to total assets....	63.3	62.6	61.4

BALANCE SHEET—Continued

1925	1926	1927	1928	1929
247	251	252	256	260
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
5,768,855.99	6,111,162.54	6,486,426.89	7,024,646.76	7,469,451.46
8,543,166.55	9,505,501.77	15,088,905.14	16,866,186.21	18,102,792.13
16,837,535.57	18,654,240.54	16,689,462.41	17,688,050.68	18,108,016.82
3,388,837.09	3,689,569.95	3,278,382.58	3,559,288.16	4,823,369.60
5,079,754.23	5,538,605.24	5,985,521.37	6,549,674.64	7,312,742.17
5,533,483.92	5,963,162.51	6,346,660.59	6,839,802.90	7,405,478.91
1,256,916.53	1,309,608.30	1,399,314.06	1,486,646.24	1,594,183.25
893,186.48	1,103,660.23	1,184,035.82	1,203,706.65	1,458,349.64
4,485,110.96	3,456,777.71	3,360,671.09	3,394,626.92	3,483,487.78
568,912.49	628,909.57	607,320.00	619,880.93	489,097.57
4,549,142.46	4,655,422.59	5,095,555.90	5,032,089.26	5,093,378.75
56,904,902.27	60,616,620.95	65,522,255.85	70,264,599.35	75,340,348.08
1,700,145.30	2,136,290.79	3,014,832.48	1,342,367.07	858,733.68
1,095,662.92	1,400,316.43	1,696,237.66	1,837,140.51	2,001,088.81
3,417,558.86	3,508,817.87	3,715,770.72	4,097,446.13	4,683,201.97
1,711,504.13	1,397,667.83	1,412,729.41	1,220,186.10	1,365,033.58
5,202,451.70	5,599,675.01	6,398,909.77	7,071,273.69	7,753,613.88
7,551,588.70	8,046,868.53	10,143,205.66	12,326,097.56	14,754,865.40
137,280.05	33,151.81	31,942.45	153,275.04	152,260.86
77,721,093.93	82,739,409.22	91,935,884.00	98,312,385.45	106,909,146.26
37,919,225.01	39,602,533.48	42,891,361.57	42,597,175.78	42,930,127.74
3,139,067.92	3,118,684.78	2,988,621.90	3,074,634.25	3,132,145.03
226,147.82	163,725.53	252,362.52	253,143.81	412,056.69
1,075,914.83	1,087,795.08	1,154,810.24	1,258,610.23	1,621,378.17
42,360,355.58	43,972,738.87	47,287,156.23	47,183,564.07	48,095,707.63
7,551,588.70	8,046,868.53	10,143,205.66	12,326,097.56	14,754,865.40
8,699,437.68	9,360,322.27	10,319,889.05	11,140,795.68	11,911,154.49
1,157,147.20	947,970.23	1,002,916.69	1,117,257.63	1,437,371.26
17,408,173.58	18,355,161.03	21,466,011.40	24,584,150.87	28,103,391.15
4,440,138.34	5,493,879.83	6,648,767.38	7,928,907.61	9,194,253.59
5,202,451.70	5,599,675.01	6,398,909.77	7,071,273.69	7,962,121.20
8,309,974.73	9,317,954.48	10,135,039.22	11,544,489.21	13,553,672.69
17,952,564.77	20,411,509.32	23,182,716.37	26,544,670.51	30,710,047.48
77,721,093.93	82,739,409.22	91,935,884.00	98,312,385.45	106,909,146.26
57.2	55.5	54.2	50.8	47.8

CONSOLIDATED

YEAR.....	1930	1931	1932
Number of municipalities included	267	275	280
ASSETS	\$ c.	\$ c.	\$ c.
Lands and buildings.....	7,936,974.31	8,407,664.48	9,503,743.78
Substation equipment.....	19,485,056.28	21,013,956.74	22,288,781.68
Distribution system—overhead.....	19,220,326.48	19,918,355.76	20,866,767.32
Distribution system—underground.....	4,932,189.05	5,361,627.24	5,820,056.75
Line transformers.....	7,953,090.23	8,649,875.07	9,392,662.62
Meters.....	7,840,948.07	8,106,202.88	8,403,251.67
Street lighting equipment—regular.....	1,780,785.67	2,205,613.18	2,257,618.20
Street lighting equipment—ornamental.....	1,520,891.01	1,456,742.91	1,545,354.93
Miscellaneous construction expenses.....	3,996,747.77	3,827,132.05	4,120,926.11
Steam or hydraulic plant.....	139,587.28	458,374.05	498,231.69
Old plant.....	5,322,690.14	7,146,437.96	4,989,654.97
Other plants not distributed.....			200,000.00
Total plant.....	80,129,286.29	86,551,982.32	89,887,049.72
Bank and cash balance.....	2,722,250.12	2,738,319.67	3,185,442.00
Securities and investments.....	1,909,439.11	1,999,846.42	2,059,325.10
Accounts receivable.....	4,481,006.92	3,957,972.78	3,683,059.42
Inventories.....	1,242,994.51	1,276,531.01	1,232,209.52
Sinking fund on local debentures.....	8,396,255.47	8,735,050.84	9,099,210.61
Equity in H-E.P.C. systems.....	17,346,372.44	20,103,275.76	23,066,129.81
Other assets.....	173,030.05	174,879.28	163,637.79
Total assets.....	116,400,634.91	125,537,858.08	132,376,063.97
LIABILITIES			
Debenture balance.....	45,091,808.06	44,594,400.03	45,133,305.97
Accounts payable.....	3,001,186.21	5,382,306.13	3,512,724.58
Bank overdraft.....	405,663.14	312,575.54	298,910.20
Other liabilities.....	1,642,771.59	1,909,986.13	3,740,376.11
Total liabilities.....	50,141,429.00	52,199,267.83	52,685,316.86
RESERVES			
For equity in H-E.P.C. systems.....	17,346,372.44	20,103,275.76	23,066,129.81
For depreciation.....	12,885,387.51	13,748,049.68	14,902,177.02
Other reserves.....	1,574,655.74	1,693,129.83	1,902,308.64
Total reserves.....	31,806,415.69	35,544,455.27	39,870,615.47
SURPLUS			
Debentures paid.....	10,728,279.15	13,150,040.37	15,244,778.28
Local sinking fund.....	8,396,255.47	8,735,050.84	9,099,210.61
Operating surplus.....	15,328,255.60	15,909,043.77	15,476,142.75
Total surplus.....	34,452,790.22	37,794,134.98	39,820,131.64
Total liabilities, reserves and surplus . . .	116,400,634.91	125,537,858.08	132,376,063.97
Percentage of net debt to total assets. . .	46.0	44.1	43.4

BALANCE SHEET—Continued

1933	1934	1935	1936	1937
282	282	284	283	287
\$ c. 10,186,471.28 22,306,800.94 21,152,681.20 5,945,225.61 9,478,605.14 8,514,165.03 2,381,599.40 1,458,443.68 4,040,859.74 502,978.62 5,016,755.92 200,000.00	\$ c. 10,262,692.98 22,327,618.75 21,353,725.80 6,031,767.74 9,635,279.35 8,624,504.78 2,395,296.48 1,464,306.73 3,907,359.92 494,932.96 4,978,079.44 200,000.00	\$ c. 10,381,191.41 22,072,115.14 21,650,567.75 6,068,724.47 9,678,578.13 8,767,892.27 2,420,238.81 1,486,302.46 3,616,986.74 496,050.14 4,917,917.43 200,000.00	\$ c. 10,528,595.34 22,162,208.03 22,163,701.17 6,070,337.02 9,845,939.94 9,043,615.65 2,527,188.03 1,504,596.77 4,019,430.59 496,186.33 4,876,405.43 200,000.00	\$ c. 10,785,473.59 22,900,269.21 22,699,652.43 6,100,282.76 10,128,591.29 9,234,773.90 2,610,137.97 1,508,564.76 4,389,592.08 496,186.33 4,878,609.01
91,184,586.56	91,675,564.93	91,756,564.75	93,438,204.30	95,732,133.33
1,696,489.24 2,163,785.20 3,746,910.92 1,226,043.30 9,386,176.58 26,045,679.00 253,581.84	2,215,914.31 2,382,446.41 4,001,596.09 1,110,705.38 9,161,419.77 29,274,340.46 289,158.19	2,927,485.90 2,593,633.59 4,363,297.95 1,212,063.37 9,086,152.46 32,609,979.83 301,317.86	3,921,121.28 2,924,913.30 4,560,713.55 1,261,843.81 9,535,712.83 36,193,874.21 203,167.35	3,080,864.13 4,469,369.04 4,240,741.41 1,336,527.60 10,003,873.93 40,032,438.34 186,252.23
135,703,252.64	140,111,145.54	144,850,495.71	152,039,550.63	159,082,200.01
42,606,145.29 3,320,485.45 206,398.00 3,787,725.14	39,646,989.68 3,149,035.07 143,556.95 3,669,008.56	36,667,080.62 2,931,934.14 72,084.93 3,462,906.61	34,485,507.43 2,879,497.45 25,559.95 3,267,141.59	32,447,411.68 2,912,960.24 34,787.51 3,216,028.08
49,920,753.88	46,608,590.26	43,134,006.30	40,657,706.42	38,611,187.51
26,045,679.00 16,075,959.28 2,048,081.84	29,274,340.46 17,426,809.32 2,056,820.81	32,609,979.83 18,410,891.84 2,459,074.98	36,193,874.21 19,666,170.18 2,763,100.40	40,032,438.34 21,034,164.68 2,802,650.84
44,169,720.12	48,757,970.59	53,479,946.65	58,623,144.79	63,869,253.86
17,651,367.71 9,386,176.58 14,575,234.35	20,608,129.73 9,161,419.77 14,975,035.19	23,481,974.13 9,086,152.46 15,668,416.17	26,084,294.84 9,535,712.83 17,138,691.75	28,468,539.78 10,003,873.93 18,129,344.93
41,612,778.64	44,744,584.69	48,236,542.76	52,758,699.42	56,601,758.64
135,703,252.64	140,111,145.54	144,850,495.71	152,039,550.63	159,082,200.01
40.4	35.9	32.0	28.3	25.2

CONSOLIDATED BALANCE SHEET—Concluded

YEAR.....	1938	1939
Number of municipalities included.....	288	293
ASSETS	\$ c.	\$ c.
Lands and buildings.....	10,894,019.12	11,030,623.50
Substation equipment.....	23,614,597.80	23,780,655.18
Distribution system—overhead.....	23,371,092.61	23,925,362.60
Distribution system—underground.....	6,134,283.64	6,202,371.87
Line transformers.....	10,494,789.40	10,855,346.75
Meters.....	9,539,413.66	9,838,600.98
Street lighting equipment—regular.....	2,697,047.84	2,798,171.62
Street lighting equipment—ornamental.....	1,516,059.81	1,518,035.24
Miscellaneous construction expenses.....	4,444,880.40	4,147,280.84
Steam or hydraulic plant.....	497,974.74	498,650.81
Old plant.....	4,897,097.67	4,894,655.59
Total plant.....	98,101,256.69	99,489,754.98
Bank and cash balance.....	3,043,609.87	3,107,087.65
Securities and investments.....	4,832,322.57	4,850,531.80
Accounts receivable.....	4,106,655.16	4,774,816.58
Inventories.....	1,393,158.18	1,496,275.62
Sinking fund on local debentures.....	10,397,958.20	11,032,594.44
Equity in H-E.P.C. systems.....	44,254,118.64	48,615,296.94
Other assets.....	178,534.60	156,520.39
Total assets.....	166,307,613.91	173,522,878.40
LIABILITIES		
Debenture balance.....	29,987,512.34	27,962,685.51
Accounts payable.....	3,334,802.82	3,100,565.26
Bank overdraft.....	108,753.61	180,064.81
Other liabilities.....	3,120,619.84	2,998,174.20
Total liabilities.....	36,551,688.61	34,241,489.78
RESERVES		
For equity in H-E.P.C. systems.....	44,254,118.64	48,615,296.94
For depreciation.....	22,583,476.69	24,046,526.92
Other reserves.....	2,814,785.08	3,090,471.34
Total reserves.....	69,652,380.41	75,752,295.20
SURPLUS		
Debentures paid.....	30,890,189.93	32,866,660.82
Local sinking fund.....	10,397,958.20	11,032,594.44
Operating surplus.....	18,815,396.76	19,629,838.16
Total surplus.....	60,103,544.89	63,529,093.42
Total liabilities, reserves and surplus.....	166,307,613.91	173,522,878.40
Percentage of net debt to total assets.....	22.4	19.3

CONSOLIDATED OPERATING REPORT

YEAR.....	1912	1913	1914	1915
Number of municipalities included..	28	45	69	99
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....		572,154.38	789,130.81	944,271.08
Commercial light service.....		525,438.16	673,803.92	720,209.26
Commercial power service.....		905,378.17	1,214,829.31	1,501,797.78
Municipal power.....				
Street lighting.....		560,925.56	698,409.71	835,970.87
Rural service.....				
Miscellaneous.....		53,543.24	57,482.41	68,046.29
Total earnings.....	1,617,674.00	2,617,439.51	3,433,656.16	4,070,295.28
EXPENSES				
Power purchased.....		789,632.87	1,045,752.65	1,484,666.00
Substation operation.....		78,394.81	97,658.90	107,607.31
Substation maintenance.....		18,698.46	31,790.99	25,935.56
Distribution system, operation and maintenance.....		104,114.51	130,998.65	154,409.71
Line transformer maintenance.....		8,547.61	11,764.32	11,508.92
Meter maintenance.....		5,222.19	9,536.07	12,899.14
Consumers' premises expenses.....		53,108.38	65,192.23	47,494.26
Street lighting, operation and maintenance.....		84,903.76	113,047.80	136,983.38
Promotion of business.....		72,303.51	86,683.02	74,402.55
Billing and collecting.....		77,351.76	103,560.71	131,541.27
General office, salaries and expenses.....		154,932.69	230,899.75	236,777.86
Undistributed expense.....		65,423.64	89,350.91	129,209.15
Interest.....		528,549.21	662,092.34	817,978.89
Sinking fund and principal payments on debentures.....		*	*	*
Total expenses.....	1,377,168.00	2,041,183.40	2,678,328.34	3,371,414.00
Surplus.....	240,506.00	576,256.11	755,327.82	698,881.28
Depreciation and other reserves....	124,992.47	262,675.24	357,883.31	414,506.99
Surplus less depreciation.....	115,513.53	313,580.87	397,444.51	284,374.29

*Debenture payments included in "Interest."

CONSOLIDATED

YEAR.....	1916	1917	1918
Number of municipalities included.....	128	143	166
EARNINGS	\$ c.	\$ c.	\$ c.
Domestic service.....	1,172,878.96	1,417,460.31	1,632,272.12
Commercial light service.....	812,130.78	899,023.72	968,399.42
Commercial power service.....	1,921,152.31	2,665,280.65	3,417,248.37
Municipal power.....			
Street lighting.....	930,057.48	967,495.10	902,875.55
Rural service.....			
Miscellaneous.....	147,381.50	120,805.39	161,243.70
Total earnings.....	4,983,601.03	6,070,065.17	7,082,039.16
EXPENSES			
Power purchased.....	1,959,446.83	2,573,879.37	2,807,769.33
Substation operation.....	153,761.08	203,091.20	238,257.34
Substation maintenance.....	46,131.53	42,129.04	60,805.92
Distribution system, operation and maintenance.....	154,247.17	169,326.24	223,347.81
Line transformer maintenance.....	14,528.17	25,328.95	30,488.83
Meter maintenance.....	24,218.48	44,461.55	63,155.56
Consumers' premises expenses.....	52,602.01	61,765.14	65,149.59
Street lighting, operation and maintenance.....	145,471.50	157,857.73	196,157.18
Promotion of business.....	79,324.85	73,516.37	64,962.78
Billing and collecting.....	154,508.58	188,083.84	208,660.76
General office, salaries and expenses.....	306,709.35	349,932.05	421,680.15
Undistributed expense.....	97,333.97	102,938.80	117,474.07
Interest.....	951,781.99	1,085,180.80	1,238,425.53
Sinking fund and principal payments on debentures.....	*	*	*
Total expenses.....	4,140,065.51	5,077,491.08	5,736,334.85
Surplus.....	843,535.52	992,574.09	1,345,704.31
Depreciation and other reserves.....	486,141.80	607,296.29	718,162.30
Surplus less depreciation.....	357,393.72	385,277.80	627,542.01

*Debenture payments included in "Interest."

OPERATING REPORT—Continued

1919	1920	1921	1922	1923	1924
181	186	205	214	224	241
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
1,991,632.31	2,546,345.30	3,149,080.03	3,786,608.23	5,166,452.24	5,993,231.07
1,175,143.56	1,512,854.63	1,851,501.76	2,158,306.34	3,260,772.50	3,566,227.22
3,443,107.13	3,752,188.22	3,895,437.46	4,383,912.97	5,927,666.37	6,222,865.88
.....	532,279.09	654,531.01	973,263.38	1,161,598.60	1,352,966.47
988,900.95	1,005,535.11	1,060,357.77	1,160,446.81	1,269,604.48	1,356,668.97
.....	168,919.95	145,566.57	105,877.09	116,639.06	75,100.24
228,270.65	189,778.63	225,467.70	187,689.39	316,311.21	231,663.58
7,827,054.60	9,707,900.93	10,981,942.30	12,756,104.21	17,219,044.46	18,798,723.43
3,284,490.68	4,216,667.87	4,876,650.31	6,636,853.37	8,699,026.67	9,669,789.40
217,638.89	285,407.35	314,838.35	315,443.70	474,442.13	430,056.09
81,853.63	102,050.81	104,798.01	100,763.67	133,815.53	202,050.04
286,310.76	344,551.57	487,918.33	519,252.16	636,477.41	648,700.62
42,509.12	46,323.09	65,088.46	52,932.26	75,920.10	82,936.50
78,726.64	123,701.18	116,722.97	107,806.88	139,104.81	141,231.23
84,301.24	116,283.52	134,854.92	143,388.88	218,682.02	237,316.20
215,963.86	236,930.79	297,481.52	297,363.86	299,579.08	269,973.30
74,789.22	78,294.85	101,804.46	129,932.63	184,371.00	202,060.74
236,504.75	295,942.88	321,685.71	338,153.50	444,306.92	490,273.30
452,131.22	559,695.29	656,268.11	605,852.50	937,463.47	889,907.66
190,690.09	256,400.33	308,874.42	385,895.03	359,206.91	494,078.50
1,285,571.51	1,431,807.16	998,611.47	1,074,657.44	1,615,205.16	1,779,991.26
*	*	532,183.96	635,469.90	990,907.14	1,122,798.87
6,531,481.61	8,094,056.69	9,317,781.00	11,343,765.78	15,208,508.35	16,661,163.71
1,295,572.99	1,613,844.24	1,664,161.30	1,412,338.43	2,010,536.11	2,137,559.72
814,219.37	902,028.75	1,044,434.85	715,814.24	916,782.75	973,649.62
481,353.62	711,815.49	619,726.45	696,524.19	1,093,753.36	1,163,910.10

CONSOLIDATED

YEAR.....	1925	1926	1927
Number of municipalities included.....	242	248	251
EARNINGS	\$ c.	\$ c.	\$ c.
Domestic service.....	6,439,159.86	7,372,602.62	8,189,866.89
Commercial light service.....	3,866,292.79	4,187,899.19	4,626,815.51
Commercial power service.....	6,568,854.77	6,789,217.54	7,342,173.20
Municipal power.....	1,923,093.09	1,922,512.34	1,913,502.88
Street lighting.....	1,415,382.22	1,457,686.21	1,489,242.37
Rural service.....	37,975.18	37,810.73	13,765.72
Miscellaneous.....	286,451.08	471,134.15	581,913.04
Total earnings.....	20,537,208.99	22,238,862.78	24,157,279.61
EXPENSES			
Power purchased.....	11,063,123.34	12,185,669.10	13,505,583.77
Substation operation.....	417,921.71	450,416.84	430,211.76
Substation maintenance.....	207,497.63	286,520.37	275,148.86
Distribution system, operation and maintenance.....	686,344.54	795,514.70	758,747.10
Line transformer maintenance.....	75,473.28	74,876.11	94,706.38
Meter maintenance.....	156,909.55	189,603.70	214,813.87
Consumers' premises expenses.....	252,808.47	275,020.62	285,352.68
Street lighting, operation and maintenance.....	275,316.60	295,869.37	318,395.79
Promotion of business.....	217,102.24	234,696.74	220,687.60
Billing and collecting.....	521,134.01	557,271.54	605,627.58
General office, salaries and expenses.....	891,640.29	786,742.60	824,868.90
Undistributed expense.....	520,584.58	460,288.30	531,003.80
Truck operation and maintenance.....			
Interest.....	1,889,810.95	1,985,233.73	2,063,698.00
Sinking fund and principal payments on debentures.....	1,294,027.29	1,347,511.92	1,505,626.31
Total expenses.....	18,469,694.48	19,925,235.64	21,634,472.40
Surplus.....	2,067,514.51	2,313,627.14	2,522,807.21
Depreciation and other reserves.....	1,068,880.42	1,146,273.05	1,249,711.65
Surplus less depreciation.....	998,634.09	1,167,354.09	1,273,095.56

OPERATING REPORT—Continued

1928	1929	1930	1931	1932
255	259	267	275	280
\$ c. 8,925,050.56 5,182,723.32 8,298,669.44 1,921,300.97 1,534,476.98 48,451.90* 465,791.92	\$ c. 9,873,681.57 5,697,766.06 9,376,158.74 2,086,444.24 1,598,262.43 51,590.54* 522,780.95	\$ c. 10,542,903.89 5,961,383.23 9,340,653.28 2,111,482.38 1,674,528.03 28,954.60* 581,914.78	\$ c. 10,972,952.10 6,230,475.89 9,456,224.97 1,967,118.54 1,746,855.24 29,446.38* 511,139.80	\$ c. 11,447,307.85 6,243,794.01 9,356,693.88 1,859,585.35 1,783,972.46 11,069.27* 513,787.30
26,376,465.09	29,206,684.53	30,241,820.19	30,914,212.92	31,216,210.12
14,688,570.08 420,512.48 247,647.88	16,379,162.88 461,270.27 274,275.56	17,323,077.97 479,502.48 320,716.48	18,085,166.51 487,484.17 303,536.11	19,109,036.25 503,351.82 300,186.15
736,159.85 88,676.18 218,530.96 291,333.03	907,817.04 93,608.14 242,126.27 314,495.03	991,972.86 96,746.35 278,379.43 317,902.45	1,015,256.14 93,463.24 284,633.88 363,078.47	969,750.51 95,485.55 300,104.85 368,208.73
329,597.16 249,842.01 638,797.02 844,578.55 542,755.34	359,373.40 250,844.28 695,729.42 904,025.64 502,206.06 110,630.62	372,211.07 249,070.05 745,159.02 907,226.89 523,862.96 112,029.82	368,119.49 255,956.03 792,983.99 923,676.84 520,893.10 107,918.93	360,709.76 266,760.84 818,721.33 960,558.88 436,692.96 112,059.90
2,111,049.49	2,152,695.49	2,220,214.45	2,328,094.32	2,532,940.93
1,601,711.32	1,687,201.64	1,828,061.62	2,061,718.79	2,244,367.86
23,009,761.35	25,335,461.74	26,766,134.00	27,991,980.01	29,378,936.42
3,366,703.74 1,350,252.16	3,871,222.79 1,469,846.83	3,475,686.19 1,574,991.68	2,922,232.91 1,775,330.69	1,837,273.70 1,920,896.22
2,016,451.58	2,401,375.96	1,900,694.51	1,146,902.22	83,622.52 (loss)

*Profits from the sale of merchandise. Rural service now given in Rural Power Districts.

CONSOLIDATED

YEAR.....	1933	1934	1935
Number of municipalities included	282	282	284
EARNINGS	\$ c.	\$ c.	\$ c.
Domestic service.....	11,429,101.13	11,844,033.10	12,145,219.89
Commercial light service.....	6,013,025.96	6,206,086.35	6,458,748.57
Commercial power service.....	9,080,522.07	9,692,784.37	10,211,968.71
Municipal power.....	1,826,872.07	1,875,969.80	1,821,285.82
Street lighting.....	1,779,582.48	1,777,596.69	1,788,760.38
Merchandise*.....	12,812.74*	18,747.73*	21,669.98*
Miscellaneous.....	485,925.43	555,172.04	562,285.82
Total earnings.....	30,627,841.88	31,970,390.08	33,009,939.17
EXPENSES			
Power purchased.....	19,330,861.58	19,591,887.79	20,053,676.40
Substation operation.....	484,764.57	468,944.09	478,813.83
Substation maintenance.....	288,583.29	296,550.52	297,127.27
Distribution system, operation and maintenance.....	895,350.99	844,813.95	830,633.88
Line transformer maintenance.....	82,321.32	75,172.18	70,749.63
Meter maintenance.....	283,115.98	291,402.79	313,234.11
Consumers' premises expenses.....	361,499.20	352,499.09	340,761.52
Street lighting, operation and maintenance.....	353,082.15	338,784.80	340,120.36
Promotion of business.....	259,936.42	228,741.36	252,648.33
Billing and collecting.....	817,660.03	827,860.20	835,375.90
General office, salaries and expenses.....	908,517.79	908,039.75	943,880.18
Undistributed expense.....	349,101.36	362,322.12	360,676.96
Truck operation and maintenance.....	105,452.68	98,081.61	95,150.54
Interest.....	2,426,286.35	2,204,994.25	2,040,130.35
Sinking fund and principal payments on debentures.....	2,319,319.09	2,358,169.12	2,423,088.34
Total expenses.....	29,265,852.80	29,248,263.62	29,686,067.60
Surplus.....	1,361,989.08	2,722,126.46	3,323,871.57
Depreciation and other reserves.....	1,989,000.41	2,036,637.33	2,076,322.24
Surplus less depreciation.....	627,011.33 (loss)	685,489.13	1,247,549.33

*Profits from the sale of merchandise. Rural service now given in Rural Power Districts.

OPERATING REPORT—Concluded

1936	1937	1938	1939
283	287	288	293
\$ c. 12,682,140.18 6,815,439.16 10,694,192.44 1,817,986.94 1,799,420.87 23,158.76* 575,825.49	\$ c. 12,448,345.63 6,510,685.15 11,063,764.43 1,731,311.34 1,781,363.37 22,971.02* 607,035.54	\$ c. 12,607,601.30 6,727,374.48 10,527,631.36 1,677,069.34 1,813,555.27 26,588.18* 602,012.80	\$ c. 13,038,748.37 7,077,144.74 10,957,719.66 1,760,977.25 1,831,090.33 28,874.86* 595,235.49
34,408,163.84	34,165,476.48	33,981,832.73	35,289,790.70
20,486,582.65 478,855.71 301,897.24 855,576.02 72,711.67 328,410.90 306,644.80 356,932.01 288,338.93 945,892.70 967,269.06 448,332.98 69,805.06 1,893,304.28 2,448,223.80	20,532,736.85 490,737.94 300,389.49 889,990.11 81,365.18 343,658.47 420,366.36 364,325.53 294,574.21 980,540.10 940,890.76 476,370.44 77,995.38 1,752,287.58 2,429,565.06	20,575,457.95 493,651.06 351,013.94 921,064.94 94,040.92 384,357.58 483,012.96 373,065.44 309,626.97 987,040.66 931,120.05 430,609.32 84,111.05 1,642,663.25 2,424,098.70	21,855,595.20 516,987.25 377,013.25 943,859.59 95,577.72 386,145.71 488,980.55 384,071.55 317,467.64 1,008,065.66 966,550.98 463,456.65 80,263.46 1,594,040.32 2,420,441.30
30,248,777.81	30,375,793.46	30,484,934.79	31,898,516.83
4,159,386.03 2,230,021.86	3,789,683.02 2,329,625.64	3,496,897.94 2,451,529.46	3,391,273.87 2,524,364.33
1,929,364.17	1,460,057.38	1,045,368.48	866,909.54

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM

Municipality	Acton	Agincourt	Ailsa Craig 483	Alvinston 650	Amherst- burg 2,857
Population	1,869	P.V.			
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings	1,545.45			133.56	
Substation equipment	1,962.78				932.00
Distribution system—overhead	26,001.97	8,931.61	7,738.40	14,213.04	39,240.18
Distribution system—underground					
Line transformers	12,770.73	4,881.46	1,761.29	3,150.23	19,512.98
Meters	11,183.47	2,899.87	2,598.34	3,220.56	16,975.68
Street light equipment, regular	2,287.14	916.31	457.58	1,090.62	1,579.90
Street light equipment, ornamental					5,598.72
Miscellaneous construction expense	2,822.24	34.95	492.36	1,063.61	5,730.09
Steam or hydraulic plant				773.85	
Old plant					
Total plant	58,573.78	17,664.20	13,047.97	23,645.47	89,569.55
Bank and cash balance	4,969.87	469.45	6,529.93	1,819.09	2,532.70
Securities and investments	6,500.00	5,000.00	5,000.00	4,500.00	
Accounts receivable	1,279.28	1,110.22	1,316.21	1,750.64	11,690.59
Inventories	1,421.26				217.58
Sinking fund on local debentures					
Equity in H-E.P.C. systems	65,467.80	10,600.51	14,896.60	14,905.50	51,234.95
Other assets		171.15			307.20
Total assets	138,211.99	35,015.53	40,790.71	46,620.70	155,552.57
Deficit				679.18	
Total	138,211.99	35,015.53	40,790.71	47,299.88	155,552.57
LIABILITIES					
Debenture balance				1,687.93	12,681.91
Accounts payable		309.05	301.28		811.26
Bank overdraft					
Other liabilities	975.61		150.00	49.00	7,701.16
Total liabilities	975.61	309.05	451.28	1,736.93	21,194.33
RESERVES					
For equity in H-E.P.C. systems	65,467.80	10,600.51	14,896.60	14,905.50	51,234.95
For depreciation	11,034.53	2,447.94	7,146.52	8,741.14	24,333.75
Other reserves		60.05		75.00	501.11
Total reserves	76,502.33	13,108.50	22,043.12	23,721.64	76,069.81
SURPLUS					
Debentures paid	14,500.00	8,072.65	6,883.38	21,841.31	19,371.69
Local sinking fund					
Operating surplus	46,234.05	13,525.33	11,412.93		38,916.74
Total surplus	60,734.05	21,597.98	18,296.31	21,841.31	58,288.43
Total liabilities, reserves and surplus	138,211.99	35,015.53	40,790.71	47,299.88	155,552.57
Percentage of net debt to total assets	1.3	1.3	1.7	5.5	15.8

NOTE—In computing the “percentage of net debt to total assets,” the ornamental street lighting capital, sinking fund on local debentures, and equity in H-E.P.C. systems, are excluded

“A”

Hydro Municipalities as at December 31, 1939

Ancaster Twp.	Arkona 397	Aylmer 2,156	Ayr 730	Baden P.V.	Beachville P.V.	Beamsville 1,161
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
		10,383.52	125.00	660.64	176.13	600.00
19,027.97	9,846.17	23,083.73	12,625.70	9,177.31	14,106.51	27,399.11
12,321.54	2,097.73	13,226.91	5,254.56	6,612.00	3,850.15	11,646.50
5,593.62	1,711.72	11,678.39	4,135.20	3,684.72	3,472.60	6,914.43
1,376.27	750.31	2,033.42	610.17	738.66	444.23	2,183.16
885.61	208.57	2,088.71	870.99	335.02	602.04	314.85
	1,030.30	6,719.17	4,002.53			
39,205.01	15,644.80	69,213.85	27,624.15	21,208.35	22,651.66	49,058.05
1,115.01	164.36	2,812.81	117.76	2,896.32	4,618.62	9,584.97
		12,000.00	1,000.00		4,000.00	
1,378.14	414.69	2,023.49	1,620.09	330.10	445.70	1,089.67
16,231.08	5,902.71	40,941.12	14,292.87	30,955.70	39,429.86	3,080.31
57,929.24	22,126.56	126,991.27	44,654.87	55,390.47	71,145.84	62,813.00
	764.47					
57,929.24	22,891.03	126,991.27	44,654.87	55,390.47	71,145.84	62,813.00
9,089.85	5,643.30	10,838.80	4,456.61	604.79	691.70	34,930.99
1,288.33	542.97	160.54	.70	.08	17.49	324.00
212.42		515.00	6.00			552.09
10,590.60	6,186.27	11,514.34	4,463.31	604.87	709.19	35,807.08
16,231.08	5,902.71	40,941.12	14,292.87	30,955.70	39,429.86	3,080.31
9,504.80	3,332.52	16,052.11	6,341.00	2,978.43	8,704.19	12,214.16
112.36		654.83	517.29			2,199.76
25,848.24	9,235.23	57,648.06	21,151.16	33,934.13	48,134.05	17,494.23
5,020.43	7,469.53	27,863.12	13,046.77	4,395.21	4,661.30	2,569.01
16,469.97		29,965.75	5,993.63	16,456.26	17,641.30	6,942.68
21,490.40	7,469.53	57,828.87	19,040.40	20,851.47	22,302.60	9,511.69
57,929.24	22,891.03	126,991.27	44,654.87	55,390.47	71,145.84	62,813.00
25.4	38.1	13.4	14.7	2.5	2.2	59.9

from assets; and the total liabilities are reduced by the amount of the local sinking fund reserve, and the liability in respect to the ornamental street lighting capital, which amount is included in other liabilities.

STATEMENT

Balance Sheets of Electrical Departments of

**NIAGARA
SYSTEM—Continued**

Municipality.....	Belle River 814	Blenheim	Blyth	Bolton	Bothwell
Population.....		1,758	656	600	694
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....		12,940.28			
Substation equipment.....		909.64			
Distribution system—overhead....	19,179.99	30,437.59	11,753.43	10,105.05	7,490.65
Distribution system—underground					
Line transformers.....	4,445.86	9,649.62	2,449.70	4,688.27	2,722.33
Meters.....	4,343.42	10,260.33	2,315.67	3,352.70	3,292.83
Street light equipment, regular....	1,102.88	3,843.85	1,569.43	873.89	3,571.49
Street light equipment, ornamental		1,482.97			1,131.22
Miscellaneous construction expense	1,112.91	977.52	258.93	1,404.89	496.64
Steam or hydraulic plant.....					
Old plant.....			2,096.17	1,554.60	
Total plant.....	30,185.06	70,501.80	20,443.33	21,979.40	18,705.16
Bank and cash balance.....	3,908.75	25.00	1,259.23	1,671.85	105.65
Securities and investments.....			3,000.00	5,000.00	11,000.00
Accounts receivable.....	476.22	3,534.21	1,228.63	1,402.12	1,090.45
Inventories.....		2,033.12			31.50
Sinking fund on local debentures..					
Equity in H-E.P.C. systems.....	9,895.94	36,230.56	9,317.39	16,916.56	16,889.33
Other assets.....					
Total assets.....	44,465.97	112,324.69	35,248.58	46,969.93	47,822.09
Deficit.....					
Total.....	44,465.97	112,324.69	35,248.58	46,969.93	47,822.09
LIABILITIES					
Debenture balance.....		5,001.55	2,368.33	2,675.76	1,786.20
Accounts payable.....	359.96	5,490.81	706.06	7.10	
Bank overdraft.....		1,448.10			
Other liabilities.....	195.00	1,783.47	130.00		1,186.22
Total liabilities.....	554.96	13,723.93	3,204.39	2,682.86	2,972.42
RESERVES					
For equity in H-E.P.C. systems....	9,895.94	36,230.56	9,317.39	16,916.56	16,889.33
For depreciation.....	8,815.97	18,398.11	5,241.05	8,114.81	6,923.44
Other reserves.....		212.18			25.02
Total reserves.....	18,711.91	54,840.85	14,558.44	25,031.37	23,837.79
SURPLUS					
Debentures paid.....	8,500.00	8,998.45	13,664.19	9,824.24	3,747.99
Local sinking fund.....					
Operating surplus.....	16,699.10	34,761.46	3,821.56	9,431.46	17,263.89
Total surplus.....	25,199.10	43,759.91	17,485.75	19,255.70	21,011.88
Total liabilities, reserves and surplus.	44,465.97	112,324.69	35,248.58	46,969.93	47,822.09
Percentage of net debt to total assets.	1.6	16.4	12.4	8.9	9.6

"A"—Continued

Hydro Municipalities as at December 31, 1939

Brampton 5,695	Brantford 31,369	Brantford Twp.	Bridgeport P.V.	Brigden P.V.	Brussels 773	Burford P.V.
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
5,355.12	110,793.14			101.03		202.00
34,176.39	257,198.80	1,192.71				
54,007.73	279,675.67	63,285.61	10,077.80	7,343.46	13,794.49	9,389.43
36,012.76	167,355.96	19,700.05	3,275.45	2,068.13	2,402.70	3,389.12
30,045.58	145,266.24	14,985.54	2,732.13	2,428.51	4,162.26	3,781.53
12,434.99	24,820.26	5,241.85	1,635.60	494.23	1,587.79	425.14
	38,922.18					
19,165.59	33,563.78	2,839.08	615.56	1,341.57	1,541.03	746.65
	6,000.00			1,381.00	2,827.50	
191,198.16	1,063,596.03	107,244.84	18,336.54	15,157.93	26,315.77	17,933.87
50.00	603.35	7,031.35	876.24	1,810.60	2,953.70	3,418.75
2,930.69	81,500.00			2,500.00	7,000.00	3,000.00
5,364.02	27,313.09	491.10	476.23	873.59	833.27	952.75
125.40	11,338.59					
164,683.18	865,674.25	32,262.12	5,968.36	11,489.72	12,547.52	13,150.48
364,351.45	2,050,025.31	147,029.41	25,657.37	31,831.84	49,650.26	38,455.85
364,351.45	2,050,025.31	147,029.41	25,657.37	31,831.84	49,650.26	38,455.85
	68,500.00		7,779.37		6,159.29	
13,548.36	5,243.87	806.82	9.72	11.53		41.10
3,828.34						
345.00	58,647.27	1,898.65	184.73	30.00	42.73	63.08
17,721.70	132,391.14	2,705.47	7,973.82	41.53	6,202.02	104.18
164,683.18	865,674.25	32,262.12	5,968.36	11,489.72	12,547.52	13,150.48
59,563.96	377,715.66	28,666.30	5,887.49	5,411.40	7,764.30	6,272.79
198.32	23,272.24	117.04		97.24		407.55
224,445.46	1,266,662.15	61,045.46	11,855.85	16,998.36	20,311.82	19,830.82
69,050.64	461,500.00	57,125.66	4,588.66	8,000.00	14,840.71	9,000.00
53,133.65	189,472.02	26,152.82	1,239.04	6,791.95	8,295.71	9,520.85
122,184.29	650,972.02	83,278.48	5,827.70	14,791.95	23,136.42	18,520.85
364,351.45	2,050,025.31	147,029.41	25,657.37	31,831.84	49,650.26	38,455.85
8.9	8.3	2.4	40.5	0.2	16.7	0.4

STATEMENT

Balance Sheets of Electrical Departments of

**NIAGARA
SYSTEM—Continued**

Municipality	Burgess- ville P.V.	Caledonia	Campbell- ville P.V.	Cayuga	Chatham
Population		1,425		682	16,517
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings		202.72			90,216.28
Substation equipment					154,326.67
Distribution system—overhead	3,674.57	18,965.82	3,002.37	18,920.53	149,314.96
Distribution system—underground					86,297.88
Line transformers	1,395.24	6,844.87	820.55	5,247.41	90,595.91
Meters	1,161.12	7,700.81	702.66	4,043.48	73,288.68
Street light equipment, regular	261.02	1,954.21	335.61	1,208.59	18,877.79
Street light equipment, ornamental					35,426.10
Miscellaneous construction expense	457.22	1,579.03	14.62	603.26	32,555.83
Steam or hydraulic plant					
Old plant					42,752.31
Total plant	6,949.17	37,247.46	4,875.81	30,023.27	773,652.41
Bank and cash balance	533.29	2,907.86	602.72	241.78	50.00
Securities and investments		2,000.00	1,500.00	2,500.00	20,000.00
Accounts receivable	333.22	321.54	775.20	1,115.46	41,695.65
Inventories		657.77		396.27	7,590.53
Sinking fund on local debentures					
Equity in H-E.P.C. systems	5,155.99	21,747.21	2,442.26	9,222.09	380,750.24
Other assets					
Total assets	12,971.67	64,881.84	10,195.99	43,498.87	1,223,738.83
Deficit					
Total	12,971.67	64,881.84	10,195.99	43,498.87	1,223,738.83
LIABILITIES					
Debenture balance			1,691.68	7,146.70	145,762.49
Accounts payable		258.78		3,683.95	15,335.55
Bank overdraft					5,335.75
Other liabilities		53.50		145.00	43,457.95
Total liabilities		312.28	1,691.68	10,975.65	209,891.74
RESERVES					
For equity in H-E.P.C. systems	5,155.99	21,747.21	2,442.26	9,222.09	380,750.24
For depreciation	3,251.14	3,325.60	1,276.21	5,755.47	174,792.35
Other reserves				66.21	21,238.41
Total reserves	8,407.13	25,072.81	3,718.47	15,043.77	576,781.00
SURPLUS					
Debentures paid	3,500.00	4,624.00	3,756.09	12,853.30	224,237.51
Local sinking fund					
Operating surplus	1,064.54	34,872.75	1,029.75	4,626.15	212,828.58
Total surplus	4,564.54	39,496.75	4,785.84	17,479.45	437,066.09
Total liabilities, reserves and surplus	12,971.67	64,881.84	10,195.99	43,498.87	1,223,738.83
Percentage of net debt to total assets	0.0	0.7	21.8	32.0	21.6

“A”—Continued

Hydro Municipalities as at December 31, 1939

Chippawa 1,140	Clifford 452	Clinton 1,888	Comber P.V.	Cottam P.V.	Courtright 329	Dashwood P.V.
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
1,434.46		8,830.52	62.00	50.00		
11,814.07	8,132.69	7,598.09	7,861.74	9,561.43	6,558.19	3,549.68
6,520.74	1,429.64	10,449.33	4,012.64	2,133.74	1,225.40	2,400.81
5,690.68	2,415.98	10,404.01	2,614.84	1,932.89	945.92	1,681.19
3,139.20	845.05	5,605.10	423.35	366.43	425.08	364.52
1,614.64	37.44	5,509.39	1,200.09	254.31	633.46	318.85
		10,658.09				
30,213.79	12,860.80	84,902.59	16,174.66	14,298.80	9,788.05	8,315.05
2,916.15	2,675.53	2,137.25	585.81	377.75	3,555.09	1,706.65
1,287.49	661.81	3,000.00	6,000.00	5,516.79		1,500.00
		3,409.96	69.17	501.17	648.19	651.99
		2,838.49				
16,607.60	6,717.41	7,038.38				
		44,939.51	18,086.32	4,120.58	5,472.89	8,133.41
51,025.03	22,915.55	148,266.18	40,915.96	24,815.09	19,464.22	20,307.10
51,025.03	22,915.55	148,266.18	40,915.96	24,815.09	19,464.22	20,307.10
796.22	5,525.12	7,500.00	217.96	4,279.99		1,329.52
4.40	.53	93.62	1,123.30	55.29	137.94	
678.00		376.72	30.00	205.00		
1,478.62	5,525.65	7,970.34	1,371.26	4,540.28	137.94	1,329.52
16,607.60	6,717.41	44,939.51	18,086.32	4,120.58	5,472.89	8,133.41
4,442.83	3,028.17	25,557.46	6,487.12	4,681.48	2,092.40	3,165.30
		558.26			14.21	
21,050.43	9,745.58	71,055.23	24,573.44	8,802.06	7,579.50	11,298.71
12,553.78	2,474.88	37,000.00	7,482.04	4,720.23	8,138.35	2,070.48
		7,038.38				
15,942.20	5,169.44	25,202.23	7,489.22	6,752.52	3,608.43	5,608.39
28,495.98	7,644.32	69,240.61	14,971.26	11,472.75	11,746.78	7,678.87
51,025.03	22,915.55	148,266.18	40,915.96	24,815.09	19,464.22	20,307.10
4.3	34.1	0.9	6.0	18.3	1.0	10.9

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA
SYSTEM—Continued

Municipality	Delaware	Delhi	Dorchester	Drayton	Dresden
Population	P.V.	2,083	P.V.	527	1,572
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings					523.00
Substation equipment					19,719.73
Distribution system—overhead	5,132.69	26,126.71	9,314.91	9,838.74	
Distribution system—underground					
Line transformers	1,658.08	15,193.00	3,046.56	4,143.43	8,462.31
Meters	1,307.34	11,421.92	2,721.48	3,510.04	7,105.23
Street light equipment, regular	202.58	3,364.32	783.17	772.21	1,127.48
Street light equipment, ornamental					
Miscellaneous construction expense	203.81	3,613.31	328.41	430.47	1,328.40
Steam or hydraulic plant					
Old plant		28,836.13			4,815.01
Total plant	8,504.50	88,555.39	16,194.53	18,694.89	43,081.16
Bank and cash balance	300.45	987.66	570.13	121.19	694.59
Securities and investments	1,000.00		2,000.00	5,000.00	4,000.00
Accounts receivable	963.63	4,397.21	1,267.49	1,659.61	2,448.26
Inventories		2,680.51			1,327.05
Sinking fund on local debentures					
Equity in H-E.P.C. systems	3,086.15	2,180.26	7,272.88	12,044.24	30,637.35
Other assets	106.03				333.44
Total assets	13,960.76	98,801.03	27,305.03	37,519.93	82,521.85
Deficit					
Total	13,960.76	98,801.03	27,305.03	37,519.93	82,521.85
LIABILITIES					
Debenture balance	1,127.10	53,153.00	1,419.47	4,290.78	
Accounts payable	230.04	24,946.87	15	698.52	97.94
Bank overdraft					
Other liabilities		1,415.00	22.00		295.00
Total liabilities	1,357.14	79,514.87	1,441.62	4,989.30	392.94
RESERVES					
For equity in H-E.P.C. systems	3,086.15	2,180.26	7,272.88	12,044.24	30,637.35
For depreciation	515.26	6,195.48	3,489.65	7,963.26	5,913.90
Other reserves	30.00		46.17		1,666.28
Total reserves	3,631.41	8,375.74	10,808.70	20,007.50	38,217.53
SURPLUS					
Debentures paid	2,872.90	1,847.00	2,880.53	5,209.22	16,238.25
Local sinking fund					
Operating surplus	6,099.31	9,063.42	12,174.18	7,313.91	27,673.13
Total surplus	8,972.21	10,910.42	15,054.71	12,523.13	43,911.38
Total liabilities, reserves and surplus	13,960.76	98,801.03	27,305.03	37,519.93	82,521.85
Percentage of net debt to total assets	12.5	82.3	7.2	19.6	0.7

"A"—Continued

Hydro Municipalities as at December 31, 1939

Drumbo P.V.	Dublin P.V.	Dundas 4,839	Dunnville 3,928	Dutton 793	East York Twp.	Elmira 2,074
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
		12,701.65	3,356.09	75.11	17,018.18	7,458.03
		13,396.22	30,684.07		8,893.55	
4,698.32	5,902.30	51,211.70	40,014.43	10,036.85	317,981.38	35,114.49
						540.21
1,801.50	1,354.25	22,319.68	21,742.96	3,791.29	94,744.36	15,281.57
1,999.16	1,109.68	22,585.67	19,531.55	3,513.02	150,522.85	13,542.89
284.27	544.86	11,535.93	9,543.11	764.76	24,282.27	2,132.39
		1,154.52				
235.58	819.44	7,216.55	7,501.54	319.53	17,844.81	2,590.95
		1,867.38	10,717.62			2,168.08
9,018.83	9,730.53	143,989.30	143,091.37	18,500.56	631,287.40	78,828.61
6,120.20	1,258.43	23,768.81	11,073.81		22,989.04	4,531.98
		1,500.00	5,000.00	7,000.00	2,812.91	11,000.00
216.15	427.65	6,846.23	5,623.31	612.70	4,950.58	1,968.37
		327.43	1,876.19	14.85	8,393.39	
6,305.13	5,493.44	134,604.08	59,435.52	18,995.85	258,357.58	74,523.87
		212.08			73.40	
21,660.31	16,910.05	311,247.93	226,100.20	45,123.96	928,864.30	170,852.83
21,660.31	16,910.05	311,247.93	226,100.20	45,123.96	928,864.30	170,852.83
1,267.36		10,827.41	31,652.39		159,084.48	13,120.85
80.05		1,173.27	111.25	501.35	37,477.65	
				10.75		
	6.00	7,518.30	1,841.61	187.36	17,471.89	685.65
1,347.41	6.00	19,518.98	33,605.25	699.46	214,034.02	13,806.50
6,305.13	5,493.44	134,604.08	59,435.52	18,995.85	258,357.58	74,523.87
4,809.76	4,708.81	61,853.56	38,796.53	8,765.11	100,371.38	26,413.16
		344.84		34.22	2,138.00	
11,114.89	10,202.25	196,802.48	98,232.05	27,795.18	360,866.96	100,937.03
3,232.64	6,200.00	42,172.59	43,847.61	8,407.49	197,983.30	24,047.65
5,965.37	501.80	52,753.88	50,415.29	8,221.83	155,980.02	32,061.65
9,198.01	6,701.80	94,926.47	94,262.90	16,629.32	353,963.32	56,109.30
21,660.31	16,910.05	311,247.93	226,100.20	45,123.96	928,864.30	170,852.83
8.8	0.0	10.4	20.2	2.1	31.9	14.3

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA
SYSTEM—Continued

Municipality	Elora	Embro	Erieau	Erie Beach	Essex
Population	1,149	423	295	28	1,854
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings	1,524.54				
Substation equipment					
Distribution system—overhead	17,918.38	10,409.76	11,134.43	2,480.84	38,453.46
Distribution system—underground					442.55
Line transformers	7,708.74	4,161.59	2,495.04	925.32	17,365.02
Meters	6,475.25	2,333.10	3,189.71	900.39	12,103.81
Street light equipment, regular	1,258.49	535.73	341.06		1,605.38
Street light equipment, ornamental					7,205.06
Miscellaneous construction expense	1,343.75	69.45	379.90	375.03	2,102.35
Steam or hydraulic plant					
Old plant		429.25			
Total plant	36,229.15	17,938.88	17,540.14	4,681.58	79,277.63
Bank and cash balance	720.77	439.12		1,216.16	4,680.76
Securities and investments	7,000.00	1,000.00			15,000.00
Accounts receivable	1,411.06	775.31	952.31	246.33	2,104.61
Inventories	296.47				
Sinking fund on local debentures					
Equity in H-E.P.C. systems	35,800.44	10,876.81	6,094.18	1,540.01	29,651.16
Other assets	122.25				
Total assets	81,580.14	31,030.12	24,586.63	7,684.08	130,714.16
Deficit					
Total	81,580.14	31,030.12	24,586.63	7,684.08	130,714.16
LIABILITIES					
Debenture balance			2,137.44	1,606.39	15,539.39
Accounts payable	14	29	275.24	45.47	131.03
Bank overdraft			168.91		
Other liabilities	116.25		30.00		7,831.89
Total liabilities	116.39	29	2,611.59	1,651.86	23,502.31
RESERVES					
For equity in H-E.P.C. systems	35,800.44	10,876.81	6,094.18	1,540.01	29,651.16
For depreciation	16,512.36	5,402.09	4,022.32	699.31	21,497.50
Other reserves		43.89	73.02		497.78
Total reserves	52,312.80	16,322.79	10,189.52	2,239.32	51,646.44
SURPLUS					
Debentures paid	13,000.00	7,500.00	4,745.69	1,693.61	6,960.61
Local sinking fund					
Operating surplus	16,150.95	7,207.04	7,039.83	2,099.29	48,604.80
Total surplus	29,150.95	14,707.04	11,785.52	3,792.90	55,565.41
Total liabilities, reserves and surplus	81,580.14	31,030.12	24,586.63	7,684.08	130,714.16
Percentage of net debt to total assets	0.3	0.0	14.1	26.9	17.4

"A"—Continued

Hydro Municipalities as at December 31, 1939

Etobicoke Twp.	Exeter 1,649	Fergus 2,792	Fonthill 867	Forest 1,520	Forest Hill 11,117	Galt 14,219
\$ c. 34,096.10	\$ c. 3,335.73	\$ c.	\$ c.	\$ c. 6,481.52	\$ c. 8,379.87	\$ c. 201,703.95
307,676.55	31,856.74	35,342.70	12,092.53	23,168.74	69,774.97	122,888.16
95,626.79	11,895.95	20,667.45	5,367.52	10,890.14	175,316.40	269,668.32
69,725.60	8,862.08	13,709.82	4,906.39	10,919.06	1,209.22	117,573.98
14,920.13	4,693.43	2,588.89	1,709.32	2,615.57	98,639.64	75,628.35
2,689.44	.....	3,537.86	.....	.....	58,536.50	72,085.68
18,239.66	2,870.89	892.33	216.90	2,207.67	8,075.72	.....
.....	.....	.....	.....	.....	18,931.15	26,058.93
.....	.....	2,546.59	3,500.00	11,042.87	.....	.....
542,974.27	63,514.82	79,285.64	27,792.66	67,325.57	438,863.47	885,607.37
.....	1,296.79	10.00	2,021.21	1,384.88	35.00	413.04
.....	11,000.00	.....	.....	12,500.00	.....	68,000.00
11,779.15	3,556.26	11,457.22	748.46	4,362.65	16,740.90	45,697.60
5,403.00	1,941.29	118.87	.....	2,271.21	.....	26,918.08
202,578.94	40,104.49	58,949.59	5,919.26	31,461.66	150,256.56	73,282.99
.....	.....	87.27	.....	.....	.....	521,404.95
762,735.36	121,413.65	149,908.59	36,481.59	119,305.97	605,895.93	619.78
.....	.....	.....	.....	.....	.....	1,621,943.81
762,735.36	121,413.65	149,908.59	36,481.59	119,305.97	605,895.93	1,621,943.81
106,754.37	1,351.48	10,924.59	9,510.93	4,823.46	273,038.99	139,764.70
31,366.15	.....	8,227.12	187.56	322.89	2,993.43	25,224.01
11,685.69	.....	1,065.89	.....	.....	12,669.13	19,198.89
9,679.01	176.50	3,732.47	344.30	76.24	8,512.73	2,198.86
159,485.22	1,527.98	23,950.07	10,042.79	5,222.59	297,214.28	186,386.46
202,578.94	40,104.49	58,949.59	5,919.26	31,461.66	150,256.56	521,404.95
112,730.13	17,014.43	12,273.06	3,114.63	18,149.91	89,836.82	318,155.96
848.91	540.71	3,929.92	.....	122.70	550.00	28,455.29
316,157.98	57,659.63	75,152.57	9,033.89	49,734.27	240,643.38	868,016.20
158,941.03	18,648.57	31,075.41	12,989.07	29,576.54	50,272.61	378,237.25
128,151.13	43,577.47	19,730.54	4,415.84	34,772.57	17,765.66	73,282.99
287,092.16	62,226.04	50,805.95	17,404.91	64,349.11	68,038.27	116,020.91
762,735.36	121,413.65	149,908.59	36,481.59	119,305.97	605,895.93	567,541.15
28.1	1.9	27.4	32.9	6.0	65.2	11.0

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA
SYSTEM—Continued

Municipality.....	George- town 2,345	Glencoe 726	Goderich 4,407	Granton P.V.	Guelph 21,514
Population.....					
ASSETS					
Lands and buildings.....	673.81	3,230.35	13,569.89		13,380.18
Substation equipment.....			34,402.48		174,824.81
Distribution system—overhead.....	34,920.70	21,527.94	71,269.69	4,403.03	252,585.68
Distribution system—underground.....					
Line transformers.....	22,419.62	7,373.10	21,546.17	1,696.30	108,075.86
Meters.....	14,964.82	4,547.12	20,990.38	1,610.02	103,785.43
Street light equipment, regular.....	4,570.34	1,735.09	9,152.70	180.78	44,220.15
Street light equipment, ornamental.....					
Miscellaneous construction expense.....	2,569.99	3,548.15	6,274.00	113.08	18,263.38
Steam or hydraulic plant.....					
Old plant.....	2,209.80		14,622.15		
Total plant.....	82,329.08	41,961.75	191,827.46	8,003.21	715,135.49
Bank and cash balance.....	2,905.76	7,022.88	19,006.66	608.95	13,436.98
Securities and investments.....	6,300.56		16,500.00	4,000.00	
Accounts receivable.....	5,032.64	1,820.23	6,978.76	622.04	9,491.12
Inventories.....		525.92	1,648.33		21,119.63
Sinking fund on local debentures.....					
Equity in H-E.P.C. systems.....	98,529.52	19,511.71	118,214.96	7,812.55	636,533.95
Other assets.....			166.70		
Total assets.....	195,097.56	70,842.49	354,342.87	21,046.75	1,395,717.17
Deficit.....					
Total.....	195,097.56	70,842.49	354,342.87	21,046.75	1,395,717.17
LIABILITIES					
Debenture balance.....	5,034.70	1,427.70	34,063.46	1,250.74	
Accounts payable.....	38.26	55	5,684.58	214.86	20,958.42
Bank overdraft.....					
Other liabilities.....	1,255.06	135.50	2,621.88		2,442.95
Total liabilities.....	6,328.02	1,563.75	42,369.92	1,465.60	23,401.37
RESERVES					
For equity in H-E.P.C. systems.....	98,529.52	19,511.71	118,214.96	7,812.55	636,533.95
For depreciation.....	20,366.88	12,598.48	87,369.71	3,516.35	153,357.06
Other reserves.....		378.82	885.08	60.00	1,791.12
Total reserves.....	118,896.40	32,489.01	206,469.75	11,388.90	791,682.13
SURPLUS					
Debentures paid.....	14,965.30	18,685.18	62,024.59	2,249.26	145,000.00
Local sinking fund.....					
Operating surplus.....	54,907.84	18,104.55	43,478.61	5,942.99	435,633.67
Total surplus.....	69,873.14	36,789.73	105,503.20	8,192.25	580,633.67
Total liabilities, reserves and surplus.....	195,097.56	70,842.49	354,342.87	21,046.75	1,395,717.17
Percentage of net debt to total assets.....	6.6	3.0	17.9	11.0	3.1

“A”—Continued

Hydro Municipalities as at December 31, 1939

Hagersville 1,355	Hamilton 154,751	Harriston 1,269	Harrow 1,032	Hensall 685	Hespeler 2,789	Highgate 362
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
864.37	961,543.54	395.25	2,295.35		4,684.43	
21,154.03	2,042,947.45	600.00			39,867.91	
	1,246,479.37	22,539.64	18,586.78	12,589.16	31,928.66	6,470.98
11,263.05	843,801.34					
9,191.32	873,376.19	8,517.01	10,582.81	5,413.17	23,681.56	2,109.25
1,053.17	746,966.08	8,759.84	7,347.00	3,842.66	13,161.09	1,801.55
	284,627.32	1,332.00	902.85	612.83	8,118.26	453.91
590.60	102,935.69	1,107.52	1,136.80	711.34	1,540.44	491.60
	2,842.66	1,001.43		400.00		
44,116.54	7,105,519.64	44,252.69	40,851.59	23,569.16	122,982.35	11,327.29
7,405.90	100,617.02	1,789.03	1,099.72	1,329.34	15,216.59	2,100.90
16,000.00		3,500.00		7,000.00		3,000.00
268.26	331,922.82	1,875.67	1,898.77	1,445.24	1,612.17	463.55
	149,201.79	137.65	508.56		337.74	
	486,660.15					
73,610.35	4,491,922.55	32,455.04	23,462.77	15,724.36	108,385.58	9,379.45
	86,334.14	197.27				
141,401.05	12,752,178.11	84,207.35	67,821.41	49,068.10	248,534.43	26,271.19
141,401.05	12,752,178.11	84,207.35	67,821.41	49,068.10	248,534.43	26,271.19
1,384.01	1,954,000.00	5,744.10	1,610.72	3,909.35	21,945.56	
96.47	370,251.03	.31	568.94	697.00	304.31	9.92
370.00	*843,015.65	30.00	479.26	48.00	30.00	60.00
1,850.48	3,167,266.68	5,774.41	2,658.92	4,654.35	22,279.87	69.92
73,610.35	4,491,922.55	32,455.04	23,462.77	15,724.36	108,385.58	9,379.45
12,589.70	1,246,446.04	10,767.67	7,075.61	9,986.78	21,175.49	5,588.03
	566,854.53		136.30		241.98	
86,200.05	6,305,223.12	43,222.71	30,674.68	25,711.14	129,803.05	14,967.48
6,615.99	2,106,275.19	20,073.93	10,389.28	8,090.65	55,624.95	5,000.00
46,734.53	486,660.15	15,136.30	24,098.53	10,611.96	40,826.56	6,233.79
	686,752.97					
53,350.52	3,279,688.31	35,210.23	34,487.81	18,702.61	96,451.51	11,233.79
141,401.05	12,752,178.11	84,207.35	67,821.41	49,068.10	248,534.43	26,271.19
2.7	34.3	11.2	6.0	13.9	15.9	0.4

*\$800,000.00 balance purchase agreement.

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA
SYSTEM—Continued

Municipality	Humber- stone 2,738	Ingersoll	Jarvis	Kingsville	Kitchener
Population		5,177	519	2,359	33,080
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings		15,149.95		7,774.09	236,365.32
Substation equipment		33,263.83			274,352.27
Distribution system—overhead	26,605.66	56,404.76	9,897.26	33,269.41	377,713.72
Distribution system—underground					58,018.46
Line transformers	10,084.83	30,977.15	3,151.56	14,211.07	199,891.01
Meters	9,387.69	26,898.44	2,874.52	15,064.57	214,563.12
Street light equipment, regular	884.80	4,988.75	929.54	1,470.29	71,258.04
Street light equipment, ornamental		4,597.59		19,200.00	126,922.86
Miscellaneous construction expense	3,486.60	12,437.24	637.09	592.37	17,260.60
Steam or hydraulic plant					
Old plant		19,098.54			52,363.91
Total plant	50,449.58	203,816.25	17,489.97	91,581.80	1,628,709.31
Bank and cash balance	9,817.87	8,576.25	4,296.63	3,714.18	1,860.86
Securities and investments	7,000.00	11,716.57	4,000.00	19,000.00	
Accounts receivable	1,067.24	2,070.15	97.40	2,351.55	58,740.51
Inventories		1,559.10		15.61	13,241.78
Sinking fund on local debentures		80,144.39			
Equity in H-E.P.C. systems	19,894.43	176,663.91	14,376.68	38,733.34	1,240,656.14
Other assets					818.80
Total assets	88,229.12	484,546.62	40,260.68	155,396.48	2,944,027.40
Deficit					
Total	88,229.12	484,546.62	40,260.68	155,396.48	2,944,027.40
LIABILITIES					
Debenture balance	9,900.00	79,800.00	3,079.75	23,637.10	84,784.99
Accounts payable		824.61	13.37	136.33	82,296.66
Bank overdraft					
Other liabilities	1,623.70	6,246.85		22,261.57	127,734.96
Total liabilities	11,523.70	86,871.46	3,093.12	46,035.00	294,816.61
RESERVES					
For equity in H-E.P.C. systems	19,894.43	176,663.91	14,376.68	38,733.34	1,240,656.14
For depreciation	7,127.45	30,908.08	4,795.99	25,435.32	407,966.01
Other reserves		649.04		393.26	7,500.18
Total reserves	27,021.88	208,221.03	19,172.67	64,561.92	1,656,122.33
SURPLUS					
Debentures paid	22,100.00		7,420.25	9,862.90	427,365.01
Local sinking fund		80,144.39			
Operating surplus	27,583.54	109,309.74	10,574.64	34,936.66	565,723.45
Total surplus	49,683.54	189,454.13	17,994.89	44,799.56	993,088.46
Total liabilities, reserves and surplus	88,229.12	484,546.62	40,260.68	155,396.48	2,944,027.40
Percentage of net debt to total assets	16.9	0.9	11.9	27.5	10.7

“A”—Continued

Hydro Municipalities as at December 31, 1939

Lambeth P.V.	La Salle 882	Leamington 5,630	Listowel 2,773	London 73,846	London Twp.	Long Branch 4,140
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	1,210.68	18,261.45	1,459.49	456,233.14	.....	.....
7,835.31	20,966.62	7,085.62	.....	1,014,705.49	.....	.....
.....	.....	56,473.76	42,976.83	818,873.19	20,613.90	57,743.12
1,883.12	6,775.22	11,991.15	5,522.87	345,907.52	.....	.....
2,579.77	4,673.80	26,559.91	20,744.58	363,649.12	7,409.90	15,251.39
1,052.75	1,054.22	26,817.25	17,521.47	374,052.07	5,720.15	19,532.98
.....	.....	1,438.72	2,987.88	72,886.70	1,578.54	4,775.25
315.71	2,487.08	15,178.49	1,348.66	92,286.12	.....	.....
.....	.....	3,232.26	2,436.90	99,044.58	498.26	2,247.46
.....	.....	.....	4,745.30	.....	1,733.80	.....
13,666.66	37,167.62	167,038.61	99,743.98	3,637,637.93	37,554.55	99,550.20
743.18	4,841.22	8,955.21	3,299.20	98,067.37	.....	4,610.43
2,000.00	.....	24,477.01	7,000.00	.....	1,000.00	.....
1,103.47	1,801.81	4,549.95	3,485.67	244,874.05	1,921.87	6,588.46
.....	60.00	.....	317.75	126,732.22	.....	.....
9,319.95	13,441.88	81,544.06	73,626.19	474,059.65	.....	.....
.....	.....	.....	.....	2,346,844.03	19,053.93	23,573.96
.....	.....	.....	.....	21,331.48	.....	.....
26,833.26	57,312.53	286,564.84	187,472.79	6,949,546.73	59,530.35	134,323.05
26,833.26	57,312.53	286,564.84	187,472.79	6,949,546.73	59,530.35	134,323.05
.....	6,645.08	.....	740.24	568,688.99	4,250.61	12,599.42
334.10	657.90	362.05	.....	139,189.07	209.21	3,372.23
105.00	628.75	18,203.72	1,716.12	94,838.23	188.96	.....
.....	.....	.....	.....	.....	361.77	2,920.71
439.10	7,931.73	18,565.77	2,456.36	802,716.29	5,010.55	18,892.36
9,319.95	13,441.88	81,544.06	73,626.19	2,346,844.03	19,053.93	23,573.96
4,969.07	10,426.84	38,097.20	42,317.60	1,280,944.60	9,070.55	20,934.95
42.08	370.19	113.85	.....	110,790.21	42.97	338.38
14,331.10	24,238.91	119,755.11	115,943.79	3,738,578.84	28,167.45	44,847.29
4,000.00	8,854.92	48,000.00	42,449.65	1,013,211.01	14,749.39	27,705.18
8,063.06	16,286.97	100,243.96	26,622.99	474,059.65	.....	.....
.....	.....	.....	.....	920,980.94	11,602.96	42,878.22
12,063.06	25,141.89	148,243.96	69,072.64	2,408,251.60	26,352.35	70,583.40
26,833.26	57,312.53	286,564.84	187,472.79	6,949,546.73	59,530.35	134,323.05
2.5	18.1	1.8	1.0	5.9	12.4	17.0

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA
SYSTEM—Continued

Municipality	Lucan	Lynden	Markham	Merlin	Merritton
Population	610	P.V.	1,153	P.V.	2,656
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings	375.45	241.18			6,680.39
Substation equipment					67,269.36
Distribution system—overhead	11,554.02	4,805.02	18,476.92	8,567.00	37,933.92
Distribution system—underground					
Line transformers	4,707.48	2,490.70	9,823.85	3,631.86	10,335.55
Meters	3,814.66	1,960.02	6,831.89	2,343.57	13,149.10
Street light equipment, regular	4,549.30	354.06	753.91	560.17	4,763.80
Street light equipment, ornamental					
Miscellaneous construction expense	605.49	263.57	1,353.98	467.65	3,447.17
Steam or hydraulic plant					
Old plant	2,860.45			241.85	
Total plant	28,466.85	10,114.55	37,240.55	15,812.10	143,579.29
Bank and cash balance	10.00	3,122.04		1,301.32	2,892.56
Securities and investments	2,000.00		7,000.00	7,500.00	
Accounts receivable	695.47	293.32	1,185.20	367.35	1,136.41
Inventories					
Sinking fund on local debentures					
Equity in H-E.P.C. systems	17,754.56	12,719.10	18,050.95	11,256.51	139,855.27
Other assets			105.70		
Total assets	48,926.88	26,249.01	63,582.40	36,237.28	287,463.53
Deficit					
Total	48,926.88	26,249.01	63,582.40	36,237.28	287,463.53
LIABILITIES					
Debenture balance	2,476.26	1,545.35		2,780.46	9,136.90
Accounts payable	398.23	.95		204.70	5,667.24
Bank overdraft	66.19		415.39		
Other liabilities	210.00		256.00	80.00	
Total liabilities	3,150.68	1,546.30	671.39	3,065.16	14,804.14
RESERVES					
For equity in H-E.P.C. systems	17,754.56	12,719.10	18,050.95	11,256.51	139,855.27
For depreciation	7,096.49	3,963.60	6,609.46	4,060.15	19,810.89
Other reserves			117.26	23.40	
Total reserves	24,851.05	16,682.70	24,777.67	15,340.06	159,666.16
SURPLUS					
Debentures paid	8,737.36	2,949.65	11,373.63	10,583.75	23,049.31
Local sinking fund					
Operating surplus	12,187.79	5,070.36	26,759.71	7,248.31	89,943.92
Total surplus	20,925.15	8,020.01	38,133.34	17,832.06	112,993.23
Total liabilities, reserves and surplus	48,926.88	26,249.01	63,582.40	36,237.28	287,463.53
Percentage of net debt to total assets	10.1	11.4	1.5	12.2	10.0

“A”—Continued

Hydro Municipalities as at December 31, 1939

Milton 1,848	Milverton 1,010	Mimico 7,012	Mitchell 1,615	Moorefield P.V.	Mount Brydges P.V.	Newbury 288
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
7,844.87	640.12	19,791.60	18,139.20			
16,418.16		38,461.02	16,198.38			
23,192.02	12,275.47	78,421.59	31,963.47	3,086.96	7,554.05	6,945.58
16,234.47	8,101.30	38,025.99	14,587.17	1,211.63	1,845.43	1,797.86
14,465.89	4,996.58	30,379.17	13,385.61	1,311.68	2,731.68	1,360.80
5,033.13	765.09	9,773.00	7,155.89	295.88	1,385.36	866.47
4,617.52	781.21	10,258.10	2,139.13	356.90	173.12	607.93
3,092.54			1,380.00			348.22
90,898.60	27,559.77	225,110.47	104,948.85	6,263.05	13,689.64	11,926.86
		20,799.16	1,677.76	2,616.83	3,073.59	1,913.67
4,000.00	4,000.00		7,150.00		4,000.00	
4,036.09	1,589.92	3,328.64	9,495.90	227.68	1,306.27	965.80
3,399.57			5,383.61			
96,470.39	41,285.65	134,745.68	42,154.22	5,934.50	7,278.96	4,341.59
						159.15
198,804.65	74,435.34	383,983.95	170,810.34	15,042.06	29,348.46	19,307.07
198,804.65	74,435.34	383,983.95	170,810.34	15,042.06	29,348.46	19,307.07
3,225.37		46,368.71			1,239.95	1,300.00
36.29	53.90	1,784.22	162.06	90.02	242.26	.35
1,022.43	24.80					
370.18		6,443.05	266.00		152.40	40.00
4,654.27	78.70	54,595.98	428.06	90.02	1,634.61	1,340.35
96,470.39	41,285.65	134,745.68	42,154.22	5,934.50	7,278.96	4,341.59
20,396.28	7,361.73	64,780.33	41,940.70	3,171.93	4,030.30	4,145.52
201.27		2,320.20	2,003.90		100.00	
117,067.94	48,647.38	201,846.21	86,098.82	9,106.43	11,409.26	8,487.11
29,821.04	9,500.00	80,631.29	22,295.22	4,500.00	2,980.05	8,454.39
47,261.40	16,209.26	46,910.47	61,988.24	1,345.61	13,324.54	1,025.22
77,082.44	25,709.26	127,541.76	84,283.46	5,845.61	16,304.59	9,479.61
198,804.65	74,435.34	383,983.95	170,810.34	15,042.06	29,348.46	19,307.07
4.6	0.2	21.9	0.3	1.0	7.4	8.9

STATEMENT

Balance Sheets of Electrical Departments of

**NIAGARA
SYSTEM—Continued**

Municipality	New Hamburg 1,458	New Toronto 7,140	Niagara Falls 18,928	Niagara-on the-Lake 1,670	North York Twp.
Population					
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings	2,513.19	44,097.67	129,536.29	2,307.35	28,797.82
Substation equipment	1,217.05		230,899.67	16,382.40	
Distribution system—overhead	24,650.87	88,210.70	196,561.95	35,057.43	420,543.17
Distribution system—underground		8,605.69			
Line transformers	8,097.16	38,527.56	176,357.52	11,415.19	120,460.13
Meters	9,496.53	36,944.33	117,074.97	9,531.57	70,097.52
Street light equipment, regular	2,197.40	13,280.51	120,862.99	3,489.85	156.00
Street light equipment, ornamental					13,491.21
Miscellaneous construction expense	954.94	7,884.63	11,481.58	2,360.42	23,023.98
Steam or hydraulic plant					
Old plant	5,242.56		18,723.99		
Total plant	54,369.70	237,551.09	1,001,498.96	80,544.21	676,569.83
Bank and cash balance	25.00	20,020.21	74,941.09	3,161.26	10,167.09
Securities and investments	8,000.00		50,000.00		
Accounts receivable	1,974.86	6,424.12	2,244.42	3,767.44	11,469.78
Inventories	747.13	3,431.75	8,117.95	1,758.26	272.44
Sinking fund on local debentures					
Equity in H-E.P.C. systems	47,010.81	419,051.52	545,286.27	29,527.21	132,845.43
Other assets			2,025.83		
Total assets	112,127.50	686,478.69	1,684,114.52	118,758.38	831,324.57
Deficit					
Total	112,127.50	686,478.69	1,684,114.52	118,758.38	831,324.57
LIABILITIES					
Debenture balance	1,115.24	1,845.35	172,831.18	14,427.35	256,538.78
Accounts payable		417.53	2,176.53	489.45	58,482.49
Bank overdraft	1,867.99				
Other liabilities	171.50	7,014.26	16,700.24	252.50	24,041.04
Total liabilities	3,154.73	9,277.14	191,707.95	15,169.30	339,062.31
RESERVES					
For equity in H-E.P.C. systems	47,010.81	419,051.52	545,286.27	29,527.21	132,845.43
For depreciation	16,828.61	63,351.91	252,175.27	16,855.85	115,357.11
Other reserves	33.83	1,413.78	11,593.55	1,115.86	1,814.04
Total reserves	63,873.25	483,817.21	809,055.09	47,498.92	250,016.58
SURPLUS					
Debentures paid	16,613.84	6,154.65	517,411.82	22,074.07	186,483.09
Local sinking fund					
Operating surplus	28,485.68	187,229.69	165,939.66	34,016.09	55,762.59
Total surplus	45,099.52	193,384.34	683,351.48	56,090.16	242,245.68
Total liabilities, reserves and surplus	112,127.50	686,478.69	1,684,114.52	118,758.38	831,324.57
Percentage of net debt to total assets	4.8	3.5	16.8	17.0	47.5

“A”—Continued

Hydro Municipalities as at December 31, 1939

Norwich	Oil Springs	Otterville	Palmerston	Paris	Parkhill	Petrolia
1,365	514	P.V.	1,406	4,369	900	2,747
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
4,660.42	6,265.18			8,781.50		900.00
11,458.56	14,232.31	8,199.09	1,346.28 32,477.85	28,126.55 56,192.87	17,977.62	5,956.75 48,889.73
6,847.08	5,202.85	4,115.99	10,958.35	24,213.54	4,085.20	29,719.79
7,693.83	3,786.30	2,744.27	7,954.98	20,765.49	4,621.34	16,339.83
4,685.64	308.24	1,571.42	6,765.70	14,084.12	995.06	6,366.05
2,312.60	1,950.02	142.00	3,012.43	2,108.23	1,347.45	7,414.81
3,509.82			4,018.71			3,389.94
41,167.95	31,744.90	16,772.77	66,534.30	154,272.30	29,026.67	118,976.90
1,982.52	3,993.24	3,571.61	656.46	9,246.50	1,760.25	874.98
5,000.00	860.11			33,500.00	4,000.00	14,400.00
4,522.53	1,858.06	1,685.59	2,202.64	996.25	1,978.88	5,209.06
2,345.31	147.12		2,580.09			479.85
34,883.10	23,731.37	8,312.17	40,758.56	106,436.56	17,957.64	96,709.20
89,901.41	62,334.80	30,342.14	112,732.05	304,451.61	54,723.44	236,649.99
89,901.41	62,334.80	30,342.14	112,732.05	304,451.61	54,723.44	236,649.99
1,987.35			1,201.85	4,399.63	1,129.00	12,030.17
120.70	3,898.36	266.94	2,888.46		115.27	361.14
273.50	35.75	43.88	334.80		95.00	967.50
2,381.55	3,934.11	310.82	4,425.11	4,399.63	1,339.27	13,358.81
34,883.10	23,731.37	8,312.17	40,758.56	106,436.56	17,957.64	96,709.20
8,535.34	8,873.95	5,887.58	8,638.22	77,362.29	8,961.21	38,317.27
780.48	90.03		420.07	88.67		453.50
44,198.92	32,695.35	14,199.75	49,816.85	183,887.52	26,918.85	135,479.97
11,768.65	16,721.31	4,500.00	25,798.15	87,600.37	13,501.02	37,969.83
31,552.29	8,984.03	11,331.57	32,691.94	28,564.09	12,964.30	49,841.38
43,320.94	25,705.34	15,831.57	58,490.09	116,164.46	26,465.32	87,811.21
89,901.41	62,334.80	30,342.14	112,732.05	304,451.61	54,723.44	236,649.99
4.3	10.2	1.4	6.1	2.2	3.6	9.5

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA
SYSTEM—Continued

Municipality	Plattsville	Point Edward	Port Colborne	Port Credit	Port Dalhousie
Population	P.V.	1,177	6,503	1,901	1,590
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings			25,458.94	675.00	
Substation equipment					
Distribution system—overhead	4,384.03	21,904.08	93,442.35	30,985.51	20,693.12
Distribution system—underground					
Line transformers	2,026.17	7,633.43	31,043.91	12,481.40	10,854.99
Meters	2,159.75	5,737.33	25,030.76	11,598.30	10,819.49
Street light equipment, regular	147.15	3,135.31	4,744.86	5,137.66	1,041.19
Street light equipment, ornamental			16,611.59		
Miscellaneous construction expense	535.92	1,025.99	7,736.57	3,155.17	3,279.67
Steam or hydraulic plant			9,929.60		6,018.38
Old plant					
Total plant	9,253.02	39,436.14	213,998.58	64,033.04	52,706.84
Bank and cash balance	3,110.93	510.29	8,498.02	35.06	75.17
Securities and investments	2,000.00	13,000.00	2,500.00		3,000.00
Accounts receivable	309.62	3,229.32	22,694.01	3,382.46	5,286.91
Inventories		593.65	4,223.93		
Sinking fund on local debentures					4,585.61
Equity in H-E.P.C. systems	8,585.50	54,986.49	91,408.25	38,006.72	33,524.30
Other assets					
Total assets	23,259.07	111,755.89	343,322.79	105,457.28	99,178.83
Deficit					
Total	23,259.07	111,755.89	343,322.79	105,457.28	99,178.83
LIABILITIES					
Debenture balance	1,475.26	3,672.71	44,510.79	4,328.36	6,165.27
Accounts payable	32.83	888.29	189.88	3,345.89	88.61
Bank overdraft			16,611.59		
Other liabilities		420.03	3,139.91	547.74	116.00
Total liabilities	1,508.09	4,981.03	64,452.17	8,221.99	6,369.88
RESERVES					
For equity in H-E.P.C. systems	8,585.50	54,986.49	91,408.25	38,006.72	33,524.30
For depreciation	4,353.48	14,581.54	52,774.27	19,129.11	7,479.48
Other reserves		116.45	3,187.68	336.93	1,076.31
Total reserves	12,938.98	69,684.48	147,370.20	57,472.76	42,080.09
SURPLUS					
Debentures paid	3,761.74	13,327.29	101,489.21	10,171.64	16,334.73
Local sinking fund					4,585.61
Operating surplus	5,050.26	23,763.09	30,011.21	29,590.89	29,808.52
Total surplus	8,812.00	37,090.38	131,500.42	39,762.53	50,728.86
Total liabilities, reserves and surplus	23,259.07	111,755.89	343,322.79	105,457.28	99,178.83
Percentage of net debt to total assets	10.3	8.8	20.3	12.1	2.9

“A”—Continued

Hydro Municipalities as at December 31, 1939

Port Dover 1,705	Port Rowan 556	Port Stanley *737	Preston 6,422	Princeton P.V.	Queenston P.V.	Richmond Hill 1,317
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
248.75		1,574.60				
35,381.92	10,157.64	26,757.25	56,955.28 90,956.86	4,370.06	8,443.61	600.00 10,872.77
12,873.47	1,883.34	13,298.52	50,818.82	2,636.23	3,040.34	9,519.32
9,540.73	2,459.00	11,184.91	40,712.02	1,385.84	1,599.05	6,351.79
2,673.13	940.33	2,088.37	5,452.47	207.93	435.63	1,334.77
3,635.14	729.77	7,519.32	8,774.39	112.41	2,499.80	456.27
		577.51	32,126.75			
64,353.14	16,170.08	63,000.48	285,796.59	8,712.47	16,018.43	29,134.92
4,066.69	2,039.37	29.20	12,266.40	5,768.09	1,228.74	1,928.60
	2,000.00	8,000.00				
3,023.38	1,151.84	1,124.80	11,770.84	692.10	633.78	2,153.73
65.25			5,922.71			123.45
24,093.50	6,338.62	38,146.16	246,632.91	8,701.47	6,511.03	18,169.40
20.00				25.00		
95,621.96	27,699.91	110,300.64	562,389.45	23,899.13	24,391.98	51,510.10
95,621.96	27,699.91	110,300.64	562,389.45	23,899.13	24,391.98	51,510.10
1,727.24	5,955.38	1,539.87	24,711.54	999.93	2,208.41	1,318.20
1,974.05		899.27	7,422.67	164.71	54.65	264.34
663.00	205.00	210.09	1,238.49		25.00	429.78
4,364.29	6,160.38	2,649.23	33,372.70	1,164.64	2,288.06	2,012.32
24,093.50	6,338.62	38,146.16	246,632.91	8,701.47	6,511.03	18,169.40
13,970.10	3,773.77	14,351.83	132,178.55	3,414.44	4,201.56	2,693.96
		75.23	575.65			63.72
38,063.60	10,112.39	52,573.22	379,387.11	12,115.91	10,712.59	20,927.08
27,272.76	5,044.62	17,410.13	128,088.46	2,550.07	7,291.59	10,881.80
25,921.31	6,382.52	37,668.06	21,541.18	8,068.51	4,099.74	17,688.90
53,194.07	11,427.14	55,078.19	149,629.64	10,618.58	11,391.33	28,570.70
95,621.96	27,699.91	110,300.64	562,389.45	23,899.13	24,391.98	51,510.10
6.1	28.8	3.6	10.6	7.7	12.8	6.0

*Winter population 741; Summer population estimated 3,500.

STATEMENT

Balance Sheets of Electrical Departments of

**NIAGARA
SYSTEM—Continued**

Municipality.....	Ridgetown	Riverside	Rockwood	Rodney	St. Catharines
Population.....	1,958	5,090	P.V.	695	27,647
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....	3,018.17	8,611.31	79.00		52,499.01
Substation equipment.....	1,024.24				136,720.18
Distribution system—overhead....	23,528.29	91,840.85	8,292.85	12,090.24	246,182.01
Distribution system—underground					
Line transformers.....	10,570.71	31,701.24	2,956.33	3,595.57	158,182.86
Meters.....	9,987.34	24,445.63	3,258.63	3,907.52	106,608.79
Street light equipment, regular....	6,198.80		703.05	3,533.02	20,360.91
Street light equipment, ornamental	1,431.73	17,647.89			29,486.71
Miscellaneous construction expense	1,427.27	7,017.36	566.85	794.06	29,337.93
Steam or hydraulic plant.....					
Old plant.....	5,088.46			700.00	17,507.89
Total plant.....	62,275.01	181,264.28	15,856.71	24,620.41	796,886.29
Bank and cash balance.....	812.63	12,031.11	705.84	1,801.07	8,832.40
Securities and investments.....	7,000.00		1,000.00		57,000.00
Accounts receivable.....	2,194.66	9,969.81	548.19	872.13	51,270.59
Inventories.....	334.56	385.75	86.83		10,976.36
Sinking fund on local debentures..					91,950.85
Equity in H-E.P.C. systems.....	40,062.29	77,160.13	10,676.75	12,639.77	552,138.27
Other assets.....					215.27
Total assets.....	112,679.15	280,811.08	28,874.32	39,933.38	1,569,270.03
Deficit.....					
Total.....	112,679.15	280,811.08	28,874.32	39,933.38	1,569,270.03
LIABILITIES					
Debenture balance.....	3,751.25	26,084.92	1,778.03		156,250.00
Accounts payable.....	1,948.42	3,141.52	51.01	48.48	39,452.47
Bank overdraft.....					
Other liabilities.....	2,068.21	19,948.33	126.00	270.00	29,814.21
Total liabilities.....	7,767.88	49,174.77	1,955.04	318.48	225,516.68
RESERVES					
For equity in H-E.P.C. systems....	40,062.29	77,160.13	10,676.75	12,639.77	552,138.27
For depreciation.....	16,404.12	40,149.32	6,026.92	2,709.65	217,801.19
Other reserves.....	270.63	3,025.90		120.32	7,918.92
Total reserves.....	56,737.04	120,335.35	16,703.67	15,469.74	777,858.38
SURPLUS					
Debentures paid.....	15,704.74	56,415.08	2,721.97	8,500.00	145,772.91
Local sinking fund.....					91,950.85
Operating surplus.....	32,469.49	54,885.88	7,493.64	15,645.16	328,171.21
Total surplus.....	48,174.23	111,300.96	10,215.61	24,145.16	565,894.97
Total liabilities, reserves and surplus.	112,679.15	280,811.08	28,874.32	39,933.38	1,569,270.03
Percentage of net debt to total assets.	8.9	16.9	10.7	1.2	11.6

“A”—Continued

Hydro Municipalities as at December 31, 1939

St. Clair Beach 108	St. George P.V.	St. Jacobs P.V.	St. Marys 4,033	St. Thomas 16,352	Sarnia 18,269	Scarboro Twp.
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
			18,492.48	78,779.06	119,198.60	17,273.95
			27,421.62	133,555.05	209,248.48	301.95
8,119.94	6,088.99	6,904.32	62,721.73	111,206.53	221,462.51	302,138.14
				52,815.87		
2,880.61	4,038.89	3,696.90	25,060.20	66,029.86	79,916.26	72,756.44
1,688.92	3,513.85	3,266.21	24,590.92	76,308.68	77,190.53	73,814.93
	337.24	368.97	6,471.74	22,238.77	27,426.19	21,007.15
				3,693.04	8,271.83	
230.16	374.18	575.70	11,445.06	15,239.37	26,380.69	9,116.54
			20,696.85		55,445.72	
12,919.63	14,353.15	14,812.10	196,900.60	559,866.23	824,540.81	496,409.10
2,056.43	2,578.79	904.23	25.00	2,810.95	34,375.67	63,114.38
		3,000.00	10,000.00	56,000.00	100,000.00	
372.02	493.30	862.82	5,378.31	17,748.78	26,952.91	31,173.21
			1,145.20	9,938.32	22,775.61	
			2,049.20			
6,360.78	13,327.31	15,213.81	125,978.53	464,937.70	583,786.77	173,952.74
						1,084.43
21,708.86	30,752.55	34,792.96	341,476.84	1,111,301.98	1,592,431.77	765,733.86
21,708.86	30,752.55	34,792.96	341,476.84	1,111,301.98	1,592,431.77	765,733.86
1,109.35	1,772.18		25,658.74	1,762.44	24,821.42	98,397.08
398.32	2.25	201.20	1,992.38	1,684.95		11,673.66
			4,921.99			
96.59	157.50		360.00	14,051.51	15,039.93	34,929.98
1,604.26	1,931.93	201.20	32,933.11	17,498.90	39,861.35	145,000.72
6,360.78	13,327.31	15,213.81	125,978.53	464,937.70	583,786.77	173,952.74
4,039.30	3,435.08	3,271.11	66,506.59	166,067.09	200,328.97	124,921.49
49.50			598.90	962.21	2,052.19	687.63
10,449.58	16,762.39	18,484.92	193,084.02	631,967.00	786,167.93	299,561.86
5,232.10	4,227.82	6,000.00	88,588.28	137,181.63	313,178.58	192,171.19
			2,049.20			
4,422.92	7,830.41	10,106.84	24,822.23	324,654.45	453,223.91	129,000.09
9,655.02	12,058.23	16,106.84	115,459.71	461,836.08	766,402.49	321,171.28
21,708.86	30,752.55	34,792.96	341,476.84	1,111,301.98	1,592,431.77	765,733.86
10.4	11.1	1.0	14.5	2.1	3.1	24.9

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA
SYSTEM—Continued

Municipality	Seaforth	Simcoe	Springfield	Stamford Twp.	Stouffville
Population	1,705	6,052	P.V.		1,160
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings	1,836.39	10,663.97		7,572.14	
Substation equipment	5,999.16	41,527.90		37,384.60	
Distribution system—overhead	32,516.61	57,406.57	10,060.42	140,505.85	13,909.28
Distribution system—underground		1,412.24			
Line transformers	11,302.60	39,955.56	3,106.91	51,508.12	4,827.29
Meters	9,711.82	33,922.61	2,168.55	37,345.27	5,192.32
Street light equipment, regular	4,969.46	7,901.70	609.47	10,057.76	1,613.55
Street light equipment, ornamental		3,500.00			
Miscellaneous construction expense	1,563.32	7,403.21	685.08	10,768.90	749.31
Steam or hydraulic plant					
Old plant		927.92		13,743.66	
Total plant	67,899.36	204,621.68	16,630.43	308,886.30	26,291.75
Bank and cash balance	2,520.50	19,859.11	1,930.19	8,831.80	4,778.33
Securities and investments	100.00	10,000.00	500.00		8,000.00
Accounts receivable	1,711.81	5,688.39	979.25	21,410.77	1,763.37
Inventories	1,695.85	3,862.72		7,310.80	
Sinking fund on local debentures					
Equity in H-E.P.C. systems	58,298.63	98,351.25	8,753.71	91,628.77	15,466.51
Other assets				216.50	
Total assets	132,226.15	342,383.15	28,793.58	438,284.94	56,299.96
Deficit					
Total	132,226.15	342,383.15	28,793.58	438,284.94	56,299.96
LIABILITIES					
Debenture balance		33,695.33	2,385.21	96,901.48	
Accounts payable		39.42	2.39	8,624.05	385.85
Bank overdraft					
Other liabilities	358.84	3,902.50	2.00	5,199.46	145.00
Total liabilities	358.84	37,637.25	2,389.60	110,724.99	530.85
RESERVES					
For equity in H-E.P.C. systems	58,298.63	98,351.25	8,753.71	91,628.77	15,466.51
For depreciation	22,296.22	28,415.00	2,121.84	56,973.35	4,524.52
Other reserves	349.11	15,000.00		3,559.92	87.23
Total reserves	80,943.96	141,766.25	10,875.55	152,162.04	20,078.26
SURPLUS					
Debentures paid	25,000.00	41,739.57	7,114.79	143,376.69	14,673.90
Local sinking fund					
Operating surplus	25,923.35	121,240.08	8,413.64	32,021.22	21,016.95
Total surplus	50,923.35	162,979.65	15,528.43	175,397.91	35,690.85
Total liabilities, reserves and surplus	132,226.15	342,383.15	28,793.58	438,284.94	56,299.96
Percentage of net debt to total assets	0.5	14.2	11.9	31.9	1.3

"A"—Continued

Hydro Municipalities as at December 31, 1939

Stratford 17,159	Strathroy 2,917	Streets- ville 700	Sutton 852	Swansea 5,831	Tavistock 1,063	Tecumseh 2,237	Thames- ford P.V.
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
141,389.22	8,856.05	7,340.41			3,564.06	1,018.51	
131,638.26	23,640.34	1,172.04					
158,686.57	50,389.39	8,957.46	20,805.20	71,698.37	13,848.15	35,609.78	7,757.33
22,971.15							
100,236.67	23,445.05	5,167.99	8,060.31	45,866.42	9,670.45	11,478.87	3,600.32
85,135.54	17,858.16	3,279.75	6,639.18	33,431.86	5,880.37	11,444.76	3,278.48
25,785.92	5,863.19	1,429.74	1,923.22	5,381.78	1,102.93		298.97
						4,760.95	
25,072.60	5,729.12	715.64	2,115.28	6,699.15	1,481.30	2,622.94	376.81
		10,641.55					
31,520.00	12,343.15		675.00				
722,435.93	148,124.45	38,704.58	40,218.19	163,077.58	35,547.26	66,935.81	15,311.91
33,921.07	4,868.06	3,113.09	2,554.40	8,101.33		3,644.08	411.65
90,000.00	17,000.00				2,000.00		7,500.00
23,412.07	7,085.42	1,030.15	4,013.45	9,991.35	1,784.85	1,619.95	679.19
11,035.01	3,074.81			15.00	24.59		
267,969.57							
567,229.35	82,942.82	1,974.54	15,166.82	70,089.51	42,504.11	24,182.46	16,017.35
335.57	21.60						
1,716,338.57	263,117.16	44,822.36	61,952.86	251,274.77	81,860.81	96,382.30	39,920.10
1,716,338.57	263,117.16	44,822.36	61,952.86	251,274.77	81,860.81	96,382.30	39,920.10
340,000.00	23,994.54	11,660.49	6,505.94	75,838.07	2,258.54	4,849.76	744.37
912.83	354.24	234.46		1,450.86	199.18	3,502.22	176.64
					194.99		
4,684.23	844.59	218.87	5.00	3,276.98		5,610.86	67.00
345,597.06	25,193.37	12,113.82	6,510.94	80,565.91	2,652.71	13,962.84	988.01
567,229.35	82,942.82	1,974.54	15,166.82	70,089.51	42,504.11	24,182.46	16,017.35
305,714.96	38,012.44	3,844.85	9,585.12	47,786.24	12,155.41	15,721.77	5,785.47
3,599.04	1,110.56	50.00		200.00		513.68	
876,543.35	122,065.82	5,869.39	24,751.94	118,075.75	54,659.52	40,417.91	21,802.82
115,800.00	42,237.46	5,884.59	19,494.06	26,475.68	3,741.46	21,150.24	4,613.66
267,969.57							
110,428.59	73,620.51	20,954.56	11,195.92	26,157.43	20,807.12	20,851.31	12,515.61
494,198.16	115,857.97	26,839.15	30,689.98	52,633.11	24,548.58	42,001.55	17,129.27
1,716,338.57	263,117.16	44,822.36	61,952.86	251,274.77	81,860.81	96,382.30	39,920.10
8.8	13.9	28.3	13.9	44.4	6.7	13.6	4.1

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality.....	Thames- ville 833	Thedford	Thorn- dale P.V.	Thorold	Tilbury
Population.....		595		5,001	1,980
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....	681.69			10,195.09	969.46
Substation equipment.....					
Distribution system—overhead.....	12,851.54	9,648.96	3,586.56	41,318.91	16,346.60
Distribution system—underground.....					
Line transformers.....	5,364.88	3,500.60	1,595.95	20,426.42	12,783.84
Meters.....	4,269.88	2,658.97	1,840.53	22,096.76	7,610.48
Street light equipment, regular.....	2,267.33	903.22	181.19	3,128.58	1,042.37
Street light equipment, ornamental.....					
Miscellaneous construction expense.....	554.86	1,542.41	310.45	4,069.99	1,630.60
Steam or hydraulic plant.....				13,388.68	
Old plant.....	4,445.68	433.78		3,800.00	3,049.47
Total plant.....	30,435.86	18,687.94	7,514.68	118,424.43	43,432.82
Bank and cash balance.....	2,826.73	3,036.26	2,447.39	17,763.27	4,663.97
Securities and investments.....	5,000.00	2,500.00		20,000.00	15,000.00
Accounts receivable.....	1,034.53	476.91	910.60	599.69	1,646.30
Inventories.....				3,328.48	4.31
Sinking fund on local debentures.....					
Equity in H-E.P.C. systems.....	16,446.32	8,888.10	8,072.97	93,528.88	43,411.73
Other assets.....					
Total assets.....	55,743.44	33,589.21	18,945.64	253,644.75	108,159.13
Deficit.....					
Total.....	55,743.44	33,589.21	18,945.64	253,644.75	108,159.13
LIABILITIES					
Debenture balance.....		2,637.36	811.29		3,028.26
Accounts payable.....	1.93		.56	4,582.25	102.24
Bank overdraft.....					
Other liabilities.....	280.00	27.31	45.57	2,250.63	202.18
Total liabilities.....	281.93	2,664.67	857.42	6,832.88	3,332.68
RESERVES					
For equity in H-E.P.C. systems.....	16,446.32	8,888.10	8,072.97	93,528.88	43,411.73
For depreciation.....	9,652.54	4,425.56	4,180.53	34,124.17	15,739.94
Other reserves.....	157.94		22.88		132.88
Total reserves.....	26,256.80	13,313.66	12,276.38	127,653.05	59,284.55
SURPLUS					
Debentures paid.....	11,187.80	13,862.64	2,275.19	5,000.00	10,971.74
Local sinking fund.....					
Operating surplus.....	18,016.91	3,748.24	3,536.65	114,158.82	34,570.16
Total surplus.....	29,204.71	17,610.88	5,811.84	119,158.82	45,541.90
Total liabilities, reserves and surplus.....	55,743.44	33,589.21	18,945.64	253,644.75	108,159.13
Percentage of net debt to total assets.....	0.7	10.8	7.9	4.2	5.1

*As in the case of other municipalities listed in Statements "A" and "B", the figures for Toronto give effect to the annual adjustment of the cost of power for the year ended October 31, 1939.

In the case of Toronto this adjustment is a credit balance of \$56,605.16. In the reports issued

"A"—Continued

Hydro Municipalities as at December 31, 1939

Tillsonburg 3,945	Toronto* 647,803	Toronto Twp. Twp.	Trafalgar Twp. Area No. 1	Trafalgar Twp. Area No. 2	Wallaceburg 4,715	Wardsville 236
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
4,824.27	5,494,100.74	6,736.78			45,164.98	
21,248.71	14,639,448.93				11,325.11	
49,582.16	6,749,819.18	198,934.35	23,409.56	12,143.84	59,889.14	5,227.32
	4,145,396.68					
20,794.23	3,736,789.12	71,585.64	10,237.65	2,495.54	36,273.56	1,501.32
21,505.44	3,255,329.55	40,156.40	5,152.37	1,674.86	22,561.23	1,308.68
12,300.77	503,673.49	4,310.03			11,504.94	639.94
4,308.98	2,544,749.11	7,699.30	1,551.07	343.16	3,520.24	503.73
	3,570,474.01	619.65			20,941.07	193.94
134,564.56	44,639,780.81	330,042.15	40,350.65	16,657.40	211,180.27	9,374.93
50.00	1,024,878.24	17,387.15	2,371.68	1,344.00	9,570.68	1,400.69
4,000.00	1,116,847.82	10,000.00	4,000.00	6,000.00	20,000.00	
8,299.77	2,573,335.28	3,240.11	368.14	161.34	11,032.61	1,248.74
4,268.12	586,190.80				9,243.56	
	8,335,070.53					
82,416.37	17,661,429.52	102,843.54	3,550.12	1,127.54	175,363.68	3,439.58
		32.33				
233,598.82	75,937,533.00	463,545.28	50,640.59	25,290.28	436,390.80	15,463.94
233,598.82	75,937,533.00	463,545.28	50,640.59	25,290.28	436,390.80	15,463.94
2,874.15	18,428,890.02	27,638.93	5,866.15	9,461.15	24,396.50	1,278.58
531.77	1,603,938.19	9,315.86	130.51	108.78	139.38	47.74
2,647.41						
3,831.95	145,627.31	3,083.22			2,487.84	
9,885.28	20,178,455.52	40,038.01	5,996.66	9,569.93	27,023.72	1,326.32
82,416.37	17,661,429.52	102,843.54	3,550.12	1,127.54	175,363.68	3,439.58
34,660.86	9,760,289.90	127,477.64	18,159.41	3,126.65	55,329.63	3,271.75
858.11	1,223,229.27	568.98			1,347.03	25.22
117,935.34	28,644,948.69	230,890.16	21,709.53	4,254.19	232,040.34	6,736.55
33,125.85	15,933,178.35	76,361.07	13,560.26		47,140.08	6,283.82
	8,335,070.53					
72,652.35	2,845,879.91	116,256.04	9,374.14	11,466.16	130,186.66	1,117.25
105,778.20	27,114,128.79	192,617.11	22,934.40	11,466.16	177,326.74	7,401.07
233,598.82	75,937,533.00	463,545.28	50,640.59	25,290.28	436,390.80	15,463.94
6.5	23.7	11.1	12.7	39.6	10.3	11.0

by the Toronto Hydro-Electric System, such adjustment will be made in the subsequent year in accordance with The Hydro-Electric Power Commission's general authorization dated January 25, 1940.

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA
SYSTEM—Continued

Municipality.....	Water- down 904	Water- ford 1,216	Waterloo	Watford	Welland
Population.....			8,524	964	11,072
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....	200.00	1,273.13	14,454.37		75,313.71
Substation equipment.....			65,571.54		103,122.24
Distribution system—overhead.....	16,702.33	16,499.47	96,969.52	17,520.96	137,207.42
Distribution system—underground.....					8,162.14
Line transformers.....	7,232.38	8,148.64	52,544.06	7,018.62	62,299.66
Meters.....	6,601.59	6,836.68	39,776.38	5,683.39	62,421.42
Street light equipment, regular.....	981.61	3,231.62	14,218.91	2,169.05	4,334.01
Street light equipment, ornamental.....			3,106.80		36,513.75
Miscellaneous construction expense	86.58	851.19	7,391.05	2,141.81	11,302.86
Steam or hydraulic plant.....					
Old plant.....			23,880.17	657.44	49,792.69
Total plant.....	31,804.49	36,840.73	317,912.80	35,191.27	550,469.90
Bank and cash balance.....	6,671.97	1,759.97	14,238.89	1,795.22	29,378.37
Securities and investments.....		5,300.00	35,000.00	5,800.00	9,928.43
Accounts receivable.....	1,298.94	698.57	1,454.43	3,319.02	8,596.48
Inventories.....			923.17	224.64	12,697.44
Sinking fund on local debentures.....					*76,194.65
Equity in H-E.P.C. systems.....	21,413.58	30,094.93	245,077.62	21,730.36	283,401.21
Other assets.....					75.41
Total assets.....	61,188.98	74,694.20	614,606.91	68,060.51	970,741.89
Deficit.....					
Total.....	61,188.98	74,694.20	614,606.91	68,060.51	970,741.89
LIABILITIES					
Debenture balance.....			7,888.49		122,394.63
Accounts payable.....		86.50	679.06		547.81
Bank overdraft.....					
Other liabilities.....	125.80		3,106.80	301.41	44,821.13
Total liabilities.....	125.80	86.50	11,674.35	301.41	167,763.57
RESERVES					
For equity in H-E.P.C. systems.....	21,413.58	30,094.93	245,077.62	21,730.36	283,401.21
For depreciation.....	8,534.46	12,736.32	139,519.56	10,153.29	154,648.66
Other reserves.....			385.26	120.16	3,132.56
Total reserves.....	29,948.04	42,831.25	384,982.44	32,003.81	441,182.43
SURPLUS					
Debentures paid.....	8,000.00	7,745.53	98,111.51	9,713.21	152,605.37
Local sinking fund.....					*76,194.65
Operating surplus.....	23,115.14	24,030.92	119,838.61	26,042.08	132,995.87
Total surplus.....	31,115.14	31,776.45	217,950.12	35,755.29	361,795.89
Total liabilities, reserves and surplus.....	61,188.98	74,694.20	614,606.91	68,060.51	970,741.89
Percentage of net debt to total assets.....	0.3	0.1	2.3	0.7	9.6

*Interest improvement for 1938-39 not included.

“A”—Continued

Hydro Municipalities as at December 31, 1939

Wellesley P.V.	West Lorne 837	Weston 5,099	Wheatley 760	Windsor 103,813	Woodbridge 830	Woodstock 11,418
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
		11,903.31		492,247.62		40,007.94
		62,127.55		1,074,050.78		121,732.82
7,422.83	12,023.17	62,139.27	16,334.74	1,255,264.66	17,492.79	123,396.58
				144,172.24		
2,175.97	4,924.79	41,115.68	4,406.73	552,304.83	6,624.62	63,436.54
2,757.45	3,792.88	27,077.00	4,368.12	512,250.01	5,064.18	61,126.18
545.11	824.14	30,018.90	1,807.14	75,300.67	574.03	21,283.69
				1,021,495.33		
266.85	347.14	10,943.82	981.61	195,617.56	1,257.69	9,108.27
	1,250.00		2,569.50	167,429.04		
13,168.21	23,162.12	245,325.53	30,467.84	5,490,132.74	31,013.31	445,092.02
3,032.84	3,824.93	212.88	3,401.61	205,257.05	3,137.39	14,646.65
1,000.00			5,500.00	619,952.17		84,000.00
946.00	241.00	1,284.42	1,759.76	228,633.94	2,197.87	4,903.75
	95.90	249.91	61.92	154,702.19		558.51
				53,693.97		15,522.74
15,496.79	23,894.12	220,636.54	12,510.58	2,846,439.01	28,656.65	373,021.85
33,643.84	51,218.07	467,709.28	53,701.71	9,598,811.07	65,005.22	937,745.52
33,643.84	51,218.07	467,709.28	53,701.71	9,598,811.07	65,005.22	937,745.52
6.50		16,573.22	3,813.01	857,432.08	2,921.59	17,400.00
		10,225.64	642.30	95,069.58	611.20	914.68
		3,088.60				
	128.10	2,737.88	30.00	1,106,946.12	484.51	7,632.51
6.50	128.10	32,625.34	4,485.31	2,059,447.78	4,017.30	25,947.19
15,496.79	23,894.12	220,636.54	12,510.58	2,846,439.01	28,656.65	373,021.85
3,977.97	8,876.38	40,480.10	6,384.69	1,127,260.93	10,474.51	195,125.40
	72.57	622.75	48.46	327,492.58		17,324.34
19,474.76	32,843.07	261,739.39	18,943.73	4,301,192.52	39,131.16	585,471.59
7,500.00	8,000.00	53,459.22	9,186.99	1,726,399.97	5,578.38	109,985.63
				53,693.97		15,522.74
6,662.58	10,246.90	119,885.33	21,085.68	1,458,076.83	16,278.38	200,818.37
14,162.58	18,246.90	173,344.55	30,272.67	3,238,170.77	21,856.76	326,326.74
33,643.84	51,218.07	467,709.28	53,701.71	9,598,811.07	65,005.22	937,745.52
0.0	0.5	13.2	10.9	17.3	11.1	1.9

STATEMENT

Balance Sheets of Electrical Departments of

NIAGARA
SYSTEM—Concluded

Municipality.....	Wyoming	York Twp.	Zurich	NIAGARA SYSTEM SUMMARY
Population.....	516		P.V.	
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....				9,263,364.48
Substation equipment.....				21,656,063.68
Distribution system—overhead.....	9,464.43	687,470.63	7,207.33	18,685,756.01
Distribution system—underground.....				5,737,267.21
Line transformers.....	1,493.02		2,237.83	9,106,649.57
Meters.....	2,776.05		2,538.35	7,901,897.66
Street light equipment, regular.....	336.65	50,782.57	471.82	1,954,679.90
Street light equipment, ornamental.....				1,516,692.62
Miscellaneous construction expense.....	860.50	16,837.72	265.81	3,650,428.35
Steam or hydraulic plant.....				24,030.23
Old plant.....			150.00	4,344,531.45
Total plant.....	14,930.65	755,090.92	12,871.14	83,841,361.16
Bank and cash balance.....	1,421.74	190,079.61	1,473.96	2,485,610.34
Securities and investments.....			4,000.00	3,007,093.06
Accounts receivable.....	379.87		1,178.92	4,155,920.01
Inventories.....				1,278,427.36
Sinking fund on local debentures.....				9,968,222.68
Equity in H-E.P.C. systems.....	7,763.76	582,715.07	12,379.36	42,131,257.65
Other assets.....		14,260.21		129,457.99
Total assets.....	24,496.02	1,542,145.81	31,903.38	146,997,350.25
Deficit.....				1,443.65
Total.....	24,496.02	1,542,145.81	31,903.38	146,998,793.90
LIABILITIES				
Debenture balance.....		187,166.50	2,473.57	25,314,393.64
Accounts payable.....	724.05		78.45	2,709,129.05
Bank overdraft.....				86,461.79
Other liabilities.....	40.00		25.00	2,839,019.84
Total liabilities.....	764.05	187,166.50	2,577.02	30,949,004.32
RESERVES				
For equity in H-E.P.C. systems.....	7,763.76	582,715.07	12,379.36	42,131,257.65
For depreciation.....	4,610.28	243,307.57	6,508.95	19,781,547.49
Other reserves.....				2,423,935.34
Total reserves.....	12,374.04	826,022.64	18,888.31	64,336,740.48
SURPLUS				
Debentures paid.....	9,700.00	302,208.15	3,118.04	27,893,589.53
Local sinking fund.....				9,968,222.68
Operating surplus.....	1,657.93	226,748.52	7,320.01	13,851,236.89
Total surplus.....	11,357.93	528,956.67	10,438.05	51,713,049.10
Total liabilities, reserves and surplus.....	24,496.02	1,542,145.81	31,903.38	146,998,793.90
Percentage of net debt to total assets....	4.6	19.5	13.2	21.0

“A”—Continued

Hydro Municipalities as at December 31, 1939

GEORGIAN BAY SYSTEM						
Alliston	Arthur	Barrie	Beaverton	Beeton	Bradford	Brechin
1,405	1,017	8,310	955	571	989	P.V.
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
675.73		16,536.84	299.50			
28,194.49	17,755.01	15,313.30		428.50	388.50	
		65,933.99	24,971.87	11,865.81	20,206.53	1,997.56
		66,437.67				
7,735.37	4,362.24	43,812.69	8,309.64	2,565.19	4,770.65	1,266.71
7,400.26	4,269.38	47,879.12	6,827.23	2,269.41	4,844.58	741.31
1,549.02	796.21	11,968.72	1,286.94	1,169.54	544.95	248.55
2,689.57	316.32	13,564.66	2,464.44	1,573.57	2,041.59	546.92
7,846.49	1,086.62		3,772.42			
56,090.93	28,585.78	281,446.99	47,932.04	19,872.02	32,796.80	4,801.05
5,928.06	2,476.18		3,034.50	4,809.62	7,738.23	1,378.59
			7,000.00		1,000.00	
1,902.19	385.11	29,919.96	1,332.32	709.84	1,115.01	710.70
17.95	75.00					
21,524.64	18,388.91	139,016.26	19,538.37	14,739.04	17,087.18	7,358.03
552.74	310.00	9,761.86	69.83		47.65	
86,016.51	50,220.98	460,145.07	78,907.06	40,130.52	59,784.87	14,248.37
	9,974.06					
86,016.51	60,195.04	460,145.07	78,907.06	40,130.52	59,784.87	14,248.37
15,578.24	12,333.26	12,946.95	2,706.72	6,935.61	11,970.83	1,434.53
89.69		21,337.16	197.68	54.17	560.67	
		4,163.93				
32.70	310.00	4,178.62	549.59		165.00	14.85
15,700.63	12,643.26	42,626.66	3,453.99	6,989.78	12,696.50	1,449.38
21,524.64	18,388.91	139,016.26	19,538.37	14,739.04	17,087.18	7,358.03
19,041.31	16,496.13	92,097.92	15,099.85	9,610.51	12,655.97	2,190.47
75.00		4,823.41	209.62	278.90	125.00	50.00
40,640.95	34,885.04	235,937.59	34,847.84	24,628.45	29,868.15	9,598.50
24,421.76	12,666.74	52,418.73	12,293.28	8,064.39	13,229.17	1,776.39
5,253.17		129,162.09	28,311.95	447.90	3,991.05	1,424.10
29,674.93	12,666.74	181,580.82	40,605.23	8,512.29	17,220.22	3,200.49
86,016.51	60,195.04	460,145.07	78,907.06	40,130.52	59,784.87	14,248.37
24.3	39.7	13.3	5.8	27.5	29.7	21.0

STATEMENT

Balance Sheets of Electrical Departments of

**GEORGIAN BAY
SYSTEM—Continued**

Municipality.....	Canning- ton 756	Chats- worth 337	Chesley 1,743	Coldwater 612	Colling- wood 5,322
Population.....					
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....		364.89	6,000.00	275.00	15,950.08
Substation equipment.....			2,305.58		11,203.24
Distribution system—overhead....	11,604.10	5,271.55	21,188.95	9,184.80	51,179.45
Distribution system—underground					
Line transformers.....	4,487.88	1,939.05	7,311.13	3,239.61	19,161.96
Meters.....	4,876.84	1,750.05	7,391.35	3,073.91	23,527.16
Street light equipment, regular....	988.37	529.17	1,441.82	775.02	2,789.26
Street light equipment, ornamental					
Miscellaneous construction expense	636.63	513.41	3,658.48	279.44	2,151.91
Steam or hydraulic plant.....					
Old plant.....	3,609.37				
Total plant.....	26,203.19	10,368.12	49,297.31	16,827.78	125,963.06
Bank and cash balance.....	2,157.07	2,350.96	15.00	106.44	2,354.64
Securities and investments.....	1,000.00		5,000.00	4,000.00	24,000.00
Accounts receivable.....	740.23	835.14	516.91	2,298.44	4,736.76
Inventories.....	233.19		373.59		51.58
Sinking fund on local debentures					
Equity in H-E.P.C. systems.....	14,748.50	4,130.36	33,894.05	14,314.12	128,589.15
Other assets.....	415.66		524.59	86.35	
Total assets.....	45,497.84	17,684.58	89,621.45	37,633.13	285,695.19
Deficit.....					
Total.....	45,497.84	17,684.58	89,621.45	37,633.13	285,695.19
LIABILITIES					
Debenture balance.....	3,525.94			1,688.13	
Accounts payable.....	132.09	365.50	505.65	16.95	418.98
Bank overdraft.....			671.64		
Other liabilities.....	49.00	102.13		214.87	2,134.08
Total liabilities.....	3,707.03	467.63	1,177.29	1,919.95	2,553.06
RESERVES					
For equity in H-E.P.C. systems....	14,748.50	4,130.36	33,894.05	14,314.12	128,589.15
For depreciation.....	11,579.02	3,528.13	19,789.24	9,762.12	59,539.90
Other reserves.....	131.13			54.56	312.82
Total reserves.....	26,458.65	7,658.49	53,683.29	24,130.80	188,441.87
SURPLUS					
Debentures paid.....	11,474.06	5,400.00	27,500.00	5,311.87	38,183.42
Local sinking fund.....					
Operating surplus.....	3,858.10	4,158.46	7,260.87	6,270.51	56,516.84
Total surplus.....	15,332.16	9,558.46	34,760.87	11,582.38	94,700.26
Total liabilities, reserves and surplus.	45,497.84	17,684.58	89,621.45	37,633.13	285,695.19
Percentage of net debt to total assets.	12.1	3.5	2.1	8.2	1.6

“A”—Continued

Hydro Municipalities as at December 31, 1939

Cookstown P.V.	Creemore 615	Dundalk 700	Durham 1,864	Elmvale P.V.	Elmwood P.V.	Flesherton 455
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
70.00			56.59	106.25		408.78
392.95			546.02	2,273.07		
9,674.04	7,644.47	8,515.79	22,847.15	9,963.26	5,121.63	5,938.38
2,512.10	3,676.20	4,041.90	8,344.09	4,517.64	1,100.67	2,454.59
2,321.91	3,262.37	2,926.54	7,755.02	3,887.98	1,219.59	2,416.65
902.02	358.56	1,203.31	1,545.06	447.17	342.71	737.26
1,535.19	9.38	292.57	1,507.85	514.44	1,093.62	1,028.29
			2,091.39			
17,408.21	14,950.98	16,980.11	44,693.17	21,709.81	8,878.22	12,983.95
3,554.28	2,261.34	2,830.40	3,516.12	2,756.83	385.74	1,321.05
3,000.00	3,000.00	3,000.00	7,000.00	2,500.00	3,000.00	4,000.00
794.82	703.68	103.62	745.68	244.62	75.00	447.02
		6.50	841.12			
4,999.26	11,216.30	11,672.06	29,403.83	14,371.66	3,838.93	6,274.28
			51.85	117.40		
29,756.57	32,132.30	34,592.69	86,251.77	41,700.32	16,177.89	25,026.30
29,756.57	32,132.30	34,592.69	86,251.77	41,700.32	16,177.89	25,026.30
4,428.21				1,240.02		1,914.70
1.00	47.19	292.85	22.41	97.63	15.17	1,022.04
50.00	220.00			70.63		
4,479.21	267.19	292.85	22.41	1,408.28	15.17	2,936.74
4,999.26	11,216.30	11,672.06	29,403.83	14,371.66	3,838.93	6,274.28
7,963.27	5,711.51	6,270.26	14,819.43	10,052.42	2,927.90	4,095.70
				50.00		345.24
12,962.53	16,927.81	17,942.32	44,223.26	24,474.08	6,766.83	10,715.22
9,071.79	2,823.61	5,955.96	25,800.00	5,759.98	7,200.00	4,785.30
3,243.04	12,113.69	10,401.56	16,206.10	10,057.98	2,195.89	6,589.04
12,314.83	14,937.30	16,357.52	42,006.10	15,817.96	9,395.89	11,374.34
29,756.57	32,132.30	34,592.69	86,251.77	41,700.32	16,177.89	25,026.30
18.1	1.3	1.3	0.0	5.2	0.1	15.7

STATEMENT

Balance Sheets of Electrical Departments of

**GEORGIAN BAY
SYSTEM—Continued**

Municipality.....	Grand Valley 605	Graven- hurst 2,135	Hanover 3,215	Holstein P.V.	Huntsville 2,770
Population.....					
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....	36.50	10,072.27	3,001.32		353.52
Substation equipment.....		10,986.03	9,271.19		647.30
Distribution system—overhead.....	11,540.48	36,366.04	50,524.87	2,206.85	21,793.54
Distribution system—underground.....		1,941.77			
Line transformers.....	2,179.63	14,158.11	20,396.84	685.79	11,126.34
Meters.....	3,336.31	12,377.55	17,304.95	666.48	12,383.56
Street light equipment, regular.....	987.12	4,472.25	2,350.30	170.44	7,361.53
Street light equipment, ornamental.....					
Miscellaneous construction expense.....	219.74	2,833.21	6,614.91	188.31	983.31
Steam or hydraulic plant.....					
Old plant.....		18,130.29	2,370.91		5,156.20
Total plant.....	18,299.78	111,337.52	111,835.29	3,917.87	59,805.30
Bank and cash balance.....	2,366.97	4,276.63	1,025.67	918.48	3,504.11
Securities and investments.....	5,128.60		30,676.80	1,500.00	10,074.18
Accounts receivable.....	216.27	2,533.02	3,166.84	130.35	1,191.72
Inventories.....		771.63	216.29		2,855.83
Sinking fund on local debentures.....					
Equity in H-E.P.C. systems.....	11,408.41	25,902.27	76,985.29	2,543.47	54,729.86
Other assets.....		517.80	556.38		
Total assets.....	37,420.03	145,338.87	224,462.56	9,010.17	132,161.00
Deficit.....					
Total.....	37,420.03	145,338.87	224,462.56	9,010.17	132,161.00
LIABILITIES					
Debenture balance.....			3,792.14		
Accounts payable.....	1,506.90	13,712.21	1,258.13		3,169.72
Bank overdraft.....					
Other liabilities.....		662.50	19.00		925.07
Total liabilities.....	1,506.90	14,374.71	5,069.27		4,094.79
RESERVES					
For equity in H-E.P.C. systems.....	11,408.41	25,902.27	76,985.29	2,543.47	54,729.86
For depreciation.....	8,565.44	24,846.40	56,086.81	1,750.55	13,151.12
Other reserves.....		784.48			3,631.38
Total reserves.....	19,973.85	51,533.15	133,072.10	4,294.02	71,512.36
SURPLUS					
Debentures paid.....	11,000.00	63,968.41	83,707.86	2,762.05	21,133.54
Local sinking fund.....					
Operating surplus.....	4,939.28	15,462.60	2,613.33	1,954.10	35,420.31
Total surplus.....	15,939.28	79,431.01	86,321.19	4,716.15	56,553.85
Total liabilities, reserves and surplus.....	37,420.03	145,338.87	224,462.56	9,010.17	132,161.00
Percentage of net debt to total assets.....	5.8	12.0	3.4	0.0	5.3

"A"—Continued

Hydro Municipalities as at December 31, 1939

Kincardine	Kirkfield	Lucknow	Markdale	Meaford	Midland	Mildmay
2,464	P.V.	1,034	781	2,811	6,669	754
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
6,531.80				1,144.18	19,983.57	
2,794.20			780.80	3,849.47	85,138.20	
44,125.02	5,157.99	18,236.99	10,710.31	32,666.95	96,272.90	6,103.22
12,513.87	557.90	5,825.72	5,216.12	8,489.97	26,366.59	1,657.05
12,029.22	737.11	5,146.65	4,183.85	8,788.05	39,112.61	2,926.73
6,016.81	379.00	1,475.15	1,390.15	3,307.87	19,278.84	561.88
5,124.80	234.11	2,342.39	613.15	2,602.12	4,189.36	881.42
			2,080.65	3,452.38		849.00
89,135.72	7,066.11	33,026.90	24,975.03	64,300.99	290,342.07	12,979.30
6,061.80	137.94	3,554.67	1,213.85	1,029.93	11,198.69	1,757.41
		3,000.00	4,255.13	15,000.00	40,932.13	2,500.00
3,047.84	375.86	1,625.72	541.56	778.18	4,013.46	482.70
1,552.57					2,862.66	
38,944.47	3,014.96	18,117.63	9,518.46	27,196.13	205,145.99	2,562.23
620.24					820.91	298.75
139,362.64	10,594.87	59,324.92	40,504.03	108,305.23	555,315.91	20,580.39
	1,863.14					
139,362.64	12,458.01	59,324.92	40,504.03	108,305.23	555,315.91	20,580.39
7,805.21		3,745.77	3,215.76	18,065.06		9,408.14
15.38	31.77	1,246.90	676.34	97.73	1,621.16	
			22.00	1,129.26	855.03	
7,820.59	31.77	4,992.67	3,914.10	19,292.05	2,476.19	9,408.14
38,944.47	3,014.96	18,117.63	9,518.46	27,196.13	205,145.99	2,562.23
29,463.23	3,336.28	8,971.49	7,689.23	14,066.93	169,666.88	1,681.00
177.29	75.00			55.12	2,151.72	
68,584.99	6,426.24	27,089.12	17,207.69	41,318.18	376,964.59	4,243.23
56,394.79	6,000.00	15,977.59	5,784.24	31,295.14	111,944.99	2,895.36
6,562.27		11,265.54	13,598.00	16,399.86	63,930.14	4,033.66
62,957.06	6,000.00	27,243.13	19,382.24	47,695.00	175,875.13	6,929.02
139,362.64	12,458.01	59,324.92	40,504.03	108,305.23	555,315.91	20,580.39
7.8	0.4	12.1	12.6	23.8	0.7	52.2

STATEMENT

Balance Sheets of Electrical Departments of

**GEORGIAN BAY
SYSTEM—Continued**

Municipality.....	Mount Forest 1,840	Neustadt 455	Orange- ville 2,660	Owen Sound 13,411	Paisley 729
Population.....					
ASSETS					
Lands and buildings.....	3,725.00		2,585.07	26,266.33	
Substation equipment.....	686.75		1,169.00	15,131.59	1,923.46
Distribution system—overhead....	23,224.98	10,388.49	35,084.16	112,893.32	11,789.96
Distribution system—underground					
Line transformers.....	7,581.19	4,146.92	9,469.03	52,279.61	1,738.46
Meters.....	8,318.04	2,368.43	13,368.06	61,279.57	3,252.07
Street light equipment, regular....	2,397.89	496.41	7,532.55	30,426.80	1,045.51
Street light equipment, ornamental					
Miscellaneous construction expense	2,156.84	1,506.10	6,448.82	3,259.51	757.60
Steam or hydraulic plant.....				33,282.00	
Old plant.....	3,810.95	1,097.60	3,204.99		1,745.00
Total plant.....	51,901.64	20,003.95	78,861.68	334,818.73	22,252.06
Bank and cash balance.....	1,238.52	3,465.65	1,538.90	100.00	3,554.90
Securities and investments.....	4,000.00	2,000.00	11,500.00	27,000.00	2,000.00
Accounts receivable.....	497.59	301.38	988.05	10,040.39	620.41
Inventories.....	18.00	22.39	287.61	11,063.98	
Sinking fund on local debentures					
Equity in H-E.P.C. systems.....	30,104.10	6,184.85	41,006.49	192,476.02	10,230.99
Other assets.....			507.40		
Total assets.....	87,759.85	31,978.22	134,690.13	575,499.12	38,658.36
Deficit.....		1,212.09			
Total.....	87,759.85	33,190.31	134,690.13	575,499.12	38,658.36
LIABILITIES					
Debenture balance.....	7,106.95	493.60	88.91		4,692.96
Accounts payable.....	1,500.00	5.80	482.66	3,289.43	
Bank overdraft.....				664.50	
Other liabilities.....		10.00	23.25	4,990.18	41.27
Total liabilities.....	8,606.95	509.40	594.82	8,944.11	4,734.23
RESERVES					
For equity in H-E.P.C. systems....	30,104.10	6,184.85	41,006.49	192,476.02	10,230.99
For depreciation.....	20,317.88	9,989.66	27,170.92	76,371.89	6,082.17
Other reserves.....				10,922.95	
Total reserves.....	50,421.98	16,174.51	68,177.41	279,770.86	16,313.16
SURPLUS					
Debentures paid.....	23,851.65	16,506.40	35,811.09	141,000.00	11,307.04
Local sinking fund.....					
Operating surplus.....	4,879.27		30,106.81	145,784.15	6,303.93
Total surplus.....	28,730.92	16,506.40	65,917.90	286,784.15	17,610.97
Total liabilities, reserves and surplus.	87,759.85	33,190.31	134,690.13	575,499.12	38,658.36
Percentage of net debt to total assets	14.9	2.0	0.6	2.3	16.7

"A"—Continued

Hydro Municipalities as at December 31, 1939

Penetan- guishene 4,094	Port Elgin 1,321	Port McNicol 905	Port Perry 1,128	Priceville P.V.	Ripley 442	Rosseau 305
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
2,288.05	111.25	369.08		68.00		
7,106.39			2,564.65			
48,841.21	27,232.00	9,449.58	19,823.99	5,242.18	10,037.32	7,482.82
19,892.83	6,966.57	1,400.23	5,099.65	802.15	3,693.93	2,204.63
14,270.90	7,450.10	2,866.00	4,583.85	470.60	1,799.86	1,202.64
3,829.44	2,270.59	652.98	1,695.79	256.88	844.33	623.60
1,173.74	421.66	747.79	145.69	833.90	1,219.84	1,281.68
	4,213.00					
97,402.56	48,665.17	15,485.66	33,913.62	7,673.71	17,595.28	12,795.37
2,253.31	3,665.48	1,033.78		817.55	3,407.87	1,571.87
872.14	10,000.00		9,000.00			
5,109.08	306.41	95.83	924.80	.31	377.15	198.57
59.46						
59,394.22	9,383.85	5,909.15	16,014.89	896.73	7,147.33	3,033.30
68.59	388.13					
165,159.36	72,409.04	22,524.42	59,853.31	9,388.30	28,527.63	17,599.11
				1,289.59		398.42
165,159.36	72,409.04	22,524.42	59,853.31	10,677.89	28,527.63	17,997.53
3,849.17	27,994.01	380.40	9,434.39	493.60	7,566.49	10,534.93
261.33	4,024.59	59.82		99.50	41.47	
			355.79			
481.75		108.40	622.00		228.83	30.00
4,592.25	32,018.60	548.62	10,412.18	593.10	7,836.79	10,564.93
59,394.22	9,383.85	5,909.15	16,014.89	896.73	7,147.33	3,033.30
40,288.08	7,622.48	5,109.50	10,065.92	2,681.66	5,931.81	1,934.23
1,600.00						
101,282.30	17,006.33	11,018.65	26,080.81	3,578.39	13,079.14	4,967.53
33,133.78	14,005.99	6,919.60	10,447.27	6,506.40	6,405.45	2,465.07
26,151.03	9,378.12	4,037.55	12,913.05		1,206.25	
59,284.81	23,384.11	10,957.15	23,360.32	6,506.40	7,611.70	2,465.07
165,159.36	72,409.04	22,524.42	59,853.31	10,677.89	28,527.63	17,997.53
4.3	58.0	3.3	23.7	7.0	36.7	72.5

STATEMENT

Balance Sheets of Electrical Departments of

GEORGIAN BAY
SYSTEM—Continued

Municipality.....	Shelburne	Southamp- ton	Stayner	Sunder- land P.V.	Tara
Population.....	1,043	1,441	1,043	P.V.	474
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....	800.00	25.00			
Substation equipment.....	566.60		200.00		
Distribution system—overhead.....	15,029.39	26,056.80	15,917.42	4,284.74	11,308.58
Distribution system—underground.....					
Line transformers.....	6,723.62	7,377.19	6,272.61	1,677.23	2,752.91
Meters.....	6,673.45	8,995.98	6,474.32	2,259.63	1,901.43
Street light equipment, regular.....	1,104.49	2,534.08	1,017.64	627.74	2,721.65
Street light equipment, ornamental.....					
Miscellaneous construction expense.....	2,226.98	661.75	415.88	175.82	1,415.89
Steam or hydraulic plant.....					
Old plant.....	739.50	2,477.00		2,030.00	
Total plant.....	33,864.03	48,127.80	30,297.87	11,055.16	20,100.46
Bank and cash balance.....	508.70	1,009.47	1,014.46	1,501.68	3,649.43
Securities and investments.....	7,500.00	1,000.00	4,000.00		
Accounts receivable.....	279.56	354.37	596.55	461.61	30.00
Inventories.....					
Sinking fund on local debentures.....					
Equity in H-E.P.C. systems.....	17,888.79	8,231.17	15,424.17	9,723.53	7,936.73
Other assets.....	135.00	225.02		76.12	
Total assets.....	60,176.08	58,947.83	51,333.05	22,818.10	31,716.62
Deficit.....					224.46
Total.....	60,176.08	58,947.83	51,333.05	22,818.10	31,941.08
LIABILITIES					
Debenture balance.....		14,784.22			634.59
Accounts payable.....	271.77	321.09	155.66	26.14	68.62
Bank overdraft.....					
Other liabilities.....	61.45	11.84	235.00	5.00	
Total liabilities.....	333.22	15,117.15	390.66	31.14	703.21
RESERVES					
For equity in H-E.P.C. systems.....	17,888.79	8,231.17	15,424.17	9,723.53	7,936.73
For depreciation.....	15,367.09	5,384.38	12,749.26	5,113.44	8,435.73
Other reserves.....			49.46		
Total reserves.....	33,255.88	13,615.55	28,222.89	14,836.97	16,372.46
SURPLUS					
Debentures paid.....	19,920.00	18,215.71	9,867.59	6,800.00	14,865.41
Local sinking fund.....					
Operating surplus.....	6,666.98	11,999.42	12,851.91	1,149.99	
Total surplus.....	26,586.98	30,215.13	22,719.50	7,949.99	14,865.41
Total liabilities, reserves and surplus.....	60,176.08	58,947.83	51,333.05	22,818.10	31,941.08
Percentage of net debt to total assets.....	0.1	29.8	1.1	0.2	2.9

“A”—Continued

Hydro Municipalities as at December 31, 1939

Teeswater 842	Thornton P.V.	Tottenham 557	Uxbridge 1,509	Victoria Harbour 1,023	Walkerton 2,463	Waubau- shene P.V.
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
330.31		358.50	40.00 2,657.65			
17,720.49	6,508.60	8,880.25	15,278.98	10,100.82	42,078.04	9,674.61
5,362.15	1,015.06	1,376.38	4,876.02	1,975.97	13,173.21	2,673.79
3,799.38	950.63	2,474.09	5,601.03	3,273.10	12,113.73	2,997.92
1,488.82	433.25	466.26	1,489.77	366.32	2,548.25	303.35
		1,342.62				
1,829.49	300.35		1,144.43	655.30	3,327.82	321.89
4,976.86		286.45			4,897.60	
35,507.50	9,207.89	15,184.55	31,087.88	16,371.51	78,138.65	15,971.56
602.72	778.41	1,056.06	2,024.56	2,845.82	5,504.12	295.54
2,500.00						
1,073.31	943.61	678.98	897.83	851.10	3,237.63	526.35
			8.27		1,204.50	
11,442.03	3,148.78	9,976.30	16,923.98	6,144.18	15,364.99	3,983.36
			205.56			
51,125.56	14,078.69	26,895.89	51,148.08	26,212.61	103,449.89	20,776.81
	2,455.61	3,028.55				
51,125.56	16,534.30	29,924.44	51,148.08	26,212.61	103,449.89	20,776.81
3,635.14	246.82	4,855.70			44,806.25	
.02	107.38	111.35	219.53	574.32	545.63	1,267.49
39.00		276.00	282.00		174.00	
3,674.16	354.20	5,243.05	501.53	574.32	45,525.88	1,267.49
11,442.03	3,148.78	9,976.30	16,923.98	6,144.18	15,364.99	3,983.36
8,817.48	5,778.14	6,558.85	7,735.85	5,987.89	9,329.08	2,716.51
		34.84	59.80		139.57	125.00
20,259.51	8,926.92	16,569.99	24,719.63	12,132.07	24,833.64	6,824.87
24,364.86	7,253.18	8,111.40	16,207.59	6,500.00	18,193.75	3,500.00
2,827.03			9,719.33	7,006.22	14,896.62	9,184.45
27,191.89	7,253.18	8,111.40	25,926.92	13,506.22	33,090.37	12,684.45
51,125.56	16,534.30	29,924.44	51,148.08	26,212.61	103,449.89	20,776.81
9.3	2.6	30.9	1.5	2.9	51.7	7.5

STATEMENT

Balance Sheets of Electrical Departments of

GEORGIAN BAY
SYSTEM—Concluded

Municipality.....	Warton	Winder- mere	Wingham	Woodville	GEORGIAN BAY SYSTEM SUMMARY
Population.....	1,723	118	2,123	421	
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....	200.00		21,513.45		139,182.32
Substation equipment.....			4,863.91		184,552.89
Distribution system—overhead.....	21,477.67	9,543.60	40,549.75	3,377.01	1,254,040.75
Distribution system—underground					68,379.44
Line transformers.....	5,520.77	3,386.95	17,493.49	1,995.54	443,711.33
Meters.....	6,474.13	1,130.07	16,028.72	2,315.99	462,327.45
Street light equipment, regular.....	2,781.34	247.26	9,782.66	521.83	157,882.48
Street light equipment, ornamental					1,342.62
Miscellaneous construction expense	6,111.60	525.65	4,725.53	285.51	107,322.17
Steam or hydraulic plant.....			14,711.99		47,993.99
Old plant.....	2,001.79		12,320.02	2,182.50	96,428.98
Total plant.....	44,567.30	14,833.53	141,989.52	10,678.38	2,963,164.42
Bank and cash balance.....	432.93	1,776.80		202.61	131,872.34
Securities and investments.....	15,000.00		4,000.00	5,000.00	285,938.98
Accounts receivable.....	2,012.33	337.49	5,377.43	1,997.53	105,536.22
Inventories.....			5,925.78		28,447.90
Sinking fund on local debentures..					
Equity in H-E.P.C. systems.....	12,034.56	2,131.23	33,661.61	9,506.14	1,556,477.57
Other assets.....			70.40		16,428.23
Total assets.....	74,047.12	19,079.05	191,024.74	27,384.66	5,087,865.66
Deficit.....					20,445.92
Total.....	74,047.12	19,079.05	191,024.74	27,384.66	5,108,311.58
LIABILITIES					
Debenture balance.....	28,190.84	9,014.89	25,370.38	1,173.90	328,083.36
Accounts payable.....	2,486.55	10.75	86.11	459.79	64,989.87
Bank overdraft.....			1,685.07		7,540.93
Other liabilities.....	105.00		617.50		20,046.80
Total liabilities.....	30,782.39	9,025.64	27,759.06	1,633.69	420,660.96
RESERVES					
For equity in H-E.P.C. systems..	12,034.56	2,131.23	33,661.61	9,506.14	1,556,477.57
For depreciation.....	5,557.82	2,624.11	36,000.11	2,898.04	1,017,126.40
Other reserves.....	46.30			800.00	27,108.59
	17,638.68	4,755.34	69,661.72	13,204.18	2,600,712.56
SURPLUS					
Debentures paid.....	9,209.16	2,748.41	70,735.12	4,326.10	1,236,178.44
Local sinking fund.....					
Operating surplus.....	16,416.89	2,549.66	22,868.84	8,220.69	850,759.62
Total surplus.....	25,626.05	5,298.07	93,603.96	12,546.79	2,086,938.06
Total liabilities, reserves and surplus.	74,047.12	19,079.05	191,024.74	27,384.66	5,108,311.58
Percentage of net debt to total assets	49.6	53.3	17.6	9.1	11.9

"A"—Continued

Hydro Municipalities as at December 31, 1939

EASTERN ONTARIO
SYSTEM

Alexandria 1,971	Apple Hill P.V.	Arnprior 4,059	Athens 670	Bath 343	Belleville 14,589	Bloomfield 653
\$ 202.00	\$ 169.06	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
28,763.14	3,009.09	26,626.99	14,322.22	6,324.02	41,953.62 76,540.24 123,240.80	410.00 11,086.59
8,847.70	1,288.37	9,728.22	2,401.06	1,376.40	33,161.29	2,251.13
7,663.31	1,234.61	13,713.50	3,204.77	828.49	63,148.96	3,126.51
2,233.59	421.12	6,061.40	698.90	554.37	23,319.45	1,030.14
5,191.31	257.43	757.80	1,175.77	727.38	7,123.39	1,403.42
4,466.89	709.55					
57,367.94	7,089.23	56,887.91	21,802.72	9,810.66	368,487.75	19,307.79
2,202.29	1,869.60	5,387.78	308.62	69.12	23,623.49	2,616.91
10,000.00			3,500.00		5,000.00	
5,381.74	284.84	5,057.85	2,161.95	41.10	29,018.98	525.00
		337.43			9,033.67	
28,672.32	3,064.15	1,691.56	5,593.78	1,842.44	153,210.16	5,574.01
103,624.29	12,307.82	69,362.53	33,367.07	11,763.32	588,374.05	28,023.71
103,624.29	12,307.82	69,362.53	33,367.07	11,763.32	588,374.05	28,023.71
3,291.21	1,101.38	53,730.87	8,144.52	5,721.85		4,216.40
355.45	207.33	3,899.28		740.70	15,787.52	13.79
247.51		1,615.59		80.00	8,382.85	103.00
3,894.17	1,308.71	59,245.74	8,144.52	6,542.55	24,170.37	4,333.19
28,672.32	3,064.15	1,691.56	5,593.78	1,842.44	153,210.16	5,574.01
19,235.42	2,436.26	1,105.00	4,616.29	1,518.00	47,943.61	6,019.86
567.98			206.06		1,936.78	
48,475.72	5,500.41	2,796.56	10,416.13	3,360.44	203,090.55	11,593.87
44,842.63	4,898.62	1,769.13	5,855.48	1,778.15	176,000.00	6,983.60
6,411.77	600.08	5,551.10	8,950.94	82.18	185,113.13	5,113.05
51,254.40	5,498.70	7,320.23	14,806.42	1,860.33	361,113.13	12,096.65
103,624.29	12,307.82	69,362.53	33,367.07	11,763.32	588,374.05	28,023.71
5.2	14.2	87.5	29.3	65.9	5.6	19.3

STATEMENT

Balance Sheets of Electrical Departments of

EASTERN ONTARIO
SYSTEM—Continued

Municipality.....	Bowman- ville	Brighton	Brockville	Cardinal	Carleton Place
Population.....	3,850	1,454	9,995	1,556	4,278
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....	28,628.36	600.00	45,295.14		13,390.32
Substation equipment.....	894.47		39,186.90		2,471.63
Distribution system—overhead....	49,769.58	16,564.11	98,736.71	13,903.40	45,883.07
Distribution system—underground					
Line transformers.....	10,404.03	5,875.08	47,631.75	3,565.27	13,061.37
Meters.....	19,343.96	7,821.24	49,958.70	3,538.89	18,144.38
Street light equipment, regular....	7,996.09	1,189.99	26,981.23	491.85	6,691.85
Street light equipment, ornamental					
Miscellaneous construction expense	4,000.15	768.71	2,663.53	783.32	4,992.83
Steam or hydraulic plant.....			46,965.86		
Old plant.....			4,821.76	3,474.80	5,289.19
Total plant.....	121,036.64	32,819.13	362,241.58	25,757.53	109,924.64
Bank and cash balance.....	7,116.54	1,616.86		729.59	4,563.86
Securities and investments.....			103,000.00	3,000.00	20,000.00
Accounts receivable.....	6,463.33	3,252.20	4,536.32	183.24	5,092.92
Inventories.....	4,709.17	5,901.32	3,005.12		1,522.59
Sinking fund on local debentures..					
Equity in H-E.P.C. systems.....	51,505.31	10,049.11	158,514.71	4,741.76	72,809.01
Other assets.....					
Total assets.....	190,830.99	53,638.62	631,297.73	34,412.12	213,913.02
Deficit.....					
Total.....	190,830.99	53,638.62	631,297.73	34,412.12	213,913.02
LIABILITIES					
Debenture balance.....	17,570.01	12,863.68		9,397.95	25,824.61
Accounts payable.....		40.95	4,072.48	356.57	8.01
Bank overdraft.....			5,151.84		
Other liabilities.....	1,347.97	212.78	47.40		1,244.54
Total liabilities.....	18,917.98	13,117.41	9,271.72	9,754.52	27,077.16
RESERVES					
For equity in H-E.P.C. systems....	51,505.51	10,049.11	158,514.71	4,741.76	72,809.01
For depreciation.....	13,563.21	3,778.03	120,121.65	2,414.54	15,053.68
Other reserves.....		631.92	15,166.52	100.00	1,188.04
Total reserves.....	65,068.52	14,459.06	293,802.88	7,256.30	89,050.73
SURPLUS					
Debentures paid.....	53,429.99	12,136.32	226,657.54	5,602.05	40,175.39
Local sinking fund.....					
Operating surplus.....	53,414.50	13,925.83	101,565.59	11,799.25	57,609.74
Total surplus.....	106,844.49	26,062.15	328,223.13	17,401.30	97,785.13
Total liabilities, reserves and surplus.	190,830.99	53,638.62	631,297.73	34,412.12	213,913.02
Percentage of net debt to total assets	13.6	30.1	2.0	32.9	19.2

“A”—Continued

Hydro Municipalities as at December 31, 1939

Chesterville 1,083	Cobden 627	Cobourg 5,307	Colborne 955	Deseronto 1,300	Finch 337	Hastings 757	Havelock 1,147
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
335.00		29,949.68		597.41			
		1,668.35		161.18			572.90
10,641.61	3,995.49	79,879.53	10,748.74	10,729.59	7,894.54	17,349.21	19,831.40
4,008.10	1,006.51	26,250.40	1,117.89	1,702.57	2,159.77	2,817.85	2,906.31
5,022.41	925.97	31,025.48	2,535.60	4,987.60	1,946.87	3,409.78	5,629.95
593.64	444.46	12,757.94	1,457.63	432.60	504.07	1,283.74	1,883.33
960.16	45.86	5,872.79	3,538.00	410.46	100.96	728.74	4,596.41
	2,853.85					1,733.13	2,420.45
21,560.92	9,272.14	187,404.17	19,397.86	19,021.41	12,606.21	27,322.45	37,840.75
	3,012.61	3,342.70	1,528.15	119.25	1,055.74		3,139.48
9,000.00			3,500.00		3,000.00	4,500.00	10,000.00
1,902.93	725.21	11,666.94	340.80	1,465.59	322.26	896.77	474.08
863.85		4,237.71	1,177.98	763.82			
25,609.93	926.93	38,418.95	3,249.59	6,195.20	3,899.58	3,210.32	11,113.89
		3,714.05					
58,937.63	13,936.89	248,784.52	29,194.38	27,565.27	20,883.79	35,929.54	62,568.20
58,937.63	13,936.89	248,784.52	29,194.38	27,565.27	20,883.79	35,929.54	62,568.20
	5,369.20	78,304.67	9,758.05	1,382.35	3,789.77	15,145.03	3,309.24
810.77	15.32	6,347.05	419.11	61.57		273.98	
758.84						12.68	
	117.50	8,138.63	230.00	282.12	50.00	218.00	
1,569.61	5,502.02	92,790.35	10,407.16	1,726.04	3,839.77	15,649.69	3,309.24
25,609.93	926.93	38,418.95	3,249.59	6,195.20	3,899.58	3,210.32	11,113.89
6,927.07	503.29	22,460.21	1,997.13	3,403.92	2,334.06	3,583.29	11,489.62
		200.00			10.59		
32,537.00	1,430.22	61,079.16	5,246.72	9,599.12	6,244.23	6,793.61	22,603.51
6,500.00	2,434.07	27,688.83	2,436.54	13,617.65	3,210.23	5,854.97	29,590.76
18,331.02	4,570.58	67,226.18	11,103.96	2,622.46	7,589.56	7,631.27	7,064.69
24,831.02	7,004.65	94,915.01	13,540.50	16,240.11	10,799.79	13,486.24	36,655.45
58,937.63	13,936.89	248,784.52	29,194.38	27,565.27	20,883.79	35,929.54	62,568.20
4.7	42.3	44.1	40.1	8.1	22.6	47.8	6.4

STATEMENT

Balance Sheets of Electrical Departments of

EASTERN ONTARIO
SYSTEM—Continued

Municipality.....	Kempt- ville 1,218	Kingston	Lakefield	Lanark	Lancaster
Population.....		23,355	1,308	723	511
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....	3,422.88	220,850.00	3,137.97		
Substation equipment.....		227,194.61			
Distribution system—overhead.....	20,812.21	183,190.76	22,282.95	6,852.91	6,573.46
Distribution system—underground.....		186,353.58			
Line transformers.....	6,435.41	70,435.49	5,993.32	1,494.69	1,044.32
Meters.....	7,445.00	115,433.09	7,575.66	2,049.29	1,805.63
Street light equipment, regular.....	1,090.07	75,891.49	1,876.05	747.54	650.65
Street light equipment, ornamental.....					
Miscellaneous construction expense.....	5,948.36	51,045.44	3,773.10	322.37	1,068.55
Steam or hydraulic plant.....		17,670.80			
Old plant.....			3,445.25		
Total plant.....	45,153.93	1,148,065.26	48,084.30	11,466.80	11,142.61
Bank and cash balance.....	131.11	35,636.53	8,156.09	3,050.84	4,397.61
Securities and investments.....	20,000.00	111,175.00	3,000.00	1,982.05	
Accounts receivable.....	1,468.40	31,622.56	571.36	172.03	889.04
Inventories.....	471.94	15,669.20			
Sinking fund on local debentures.....		22,247.07			
Equity in H-E.P.C. systems.....	18,996.04	41,282.87	11,662.35	5,725.54	5,745.83
Other assets.....		2,296.87			
Total assets.....	86,221.42	1,407,995.36	71,474.10	22,397.26	22,175.09
Deficit.....					
Total.....	86,221.42	1,407,995.36	71,474.10	22,397.26	22,175.09
LIABILITIES					
Debenture balance.....	14,324.38	52,735.00	19,725.15		
Accounts payable.....	116.69	9,040.45			708.91
Bank overdraft.....					
Other liabilities.....	12.00	7,423.54	652.70	50.00	148.36
Total liabilities.....	14,453.07	69,198.99	20,377.85	50.00	857.27
RESERVES					
For equity in H-E.P.C. systems.....	18,996.04	41,282.87	11,662.35	5,725.54	5,745.83
For depreciation.....	12,577.75	243,222.61	15,560.28	3,603.25	4,212.00
Other reserves.....		151,598.56			
Total reserves.....	31,573.79	436,104.04	27,222.63	9,328.79	9,957.83
SURPLUS					
Debentures paid.....	10,675.62	259,165.00	13,774.85	7,561.47	9,970.42
Local sinking fund.....		22,247.07			
Operating surplus.....	29,518.94	621,280.26	10,098.77	5,457.00	1,389.57
Total surplus.....	40,194.56	902,692.33	23,873.62	13,018.47	11,359.99
Total liabilities, reserves and surplus.....	86,221.42	1,407,995.36	71,474.10	22,397.26	22,175.09
Percentage of net debt to total assets.....	21.5	3.4	34.1	0.3	5.2

“A”—Continued

Hydro Municipalities as at December 31, 1939

Lindsay 7,138	Madoc 1,108	Marmora 995	Martin- town P.V.	Maxville 758	Millbrook 737	Morrisburg 1,853	Napanee 3,148
\$ c. 10,777.68 3,176.56 93,281.22	\$ c. 100.00 11,785.28	\$ c. 13,652.95	\$ c. 126.15 2,826.42	\$ c. 407.79 11,763.96	\$ c. 5,794.07	\$ c. 5,000.00 4,457.21 11,720.77	\$ c. 10,211.62 45,485.05
27,035.23 33,091.10 10,334.23	3,496.56 5,304.41 1,577.14	3,808.11 4,074.83 1,193.23	690.33 1,027.87 354.94	1,849.12 2,572.13 1,950.24	696.37 1,770.48 397.68	4,229.62 6,767.36 795.00	10,374.19 17,612.35 4,170.27
2,525.94	254.91	2,215.98	714.85	2,424.95	.....	365.32	4,707.46
.....	.....	573.62	.....	.....	.....	34,233.82	.....
180,221.96	22,518.30	25,518.72	5,740.56	20,968.19	8,658.60	67,569.10	92,560.94
7,166.93 55,000.00 5,778.48 280.06	7,905.11 628.64	3,365.16 261.66	1,396.63 1,000.00 320.68	2,160.49 2,000.00 426.85	832.72 422.68	1,359.94	9,888.01 7,285.75
84,009.74	6,877.54	5,014.09	1,927.43	8,902.96	213.63	643.61 738.55	37,282.05
332,457.17	37,929.59	34,159.63	10,385.30	34,458.49	10,127.63	70,311.20	147,016.75
332,457.17	37,929.59	34,159.63	10,385.30	34,458.49	10,127.63	70,311.20	147,016.75
74,145.53	775.94	2,313.36 .....	.....	1,269.07	8,720.55 148.94	30,169.16 305.07 790.24 738.55	..... 1,000.00 4,280.79 780.62
2,550.29	366.00	135.00	7.00	105.00	181.82	.....	.....
76,695.82	1,141.94	2,448.36	7.00	1,374.07	9,051.31	32,003.02	6,061.41
84,009.74 38,814.31	6,877.54 1,881.12	5,014.09 4,192.33	1,927.43 2,070.50 81.02	8,902.96 6,110.16 400.00	213.63 173.00	643.61 659.00 31,296.54	37,282.05 10,038.61
122,824.05	8,753.66	9,206.42	4,078.95	15,413.12	386.63	32,599.15	47,320.66
55,854.47	14,000.00	15,352.75	6,000.00	14,730.93	279.45	4,404.12	70,000.00
77,082.83	14,028.99	7,152.10	299.35	2,940.37	410.24	1,304.91	23,634.68
132,937.30	28,028.99	22,504.85	6,299.35	17,671.30	689.69	5,709.03	93,634.68
332,457.17	37,929.59	34,159.63	10,385.30	34,458.49	10,127.63	70,311.20	147,016.75
30.9	3.7	8.4	0.1	5.4	91.3	45.4	5.5

STATEMENT

Balance Sheets of Electrical Departments of

EASTERN ONTARIO
SYSTEM—Continued

Municipality.....	Newcastle	Norwood	Omemece	Orono	Oshawa
Population.....	700	710	553	P.V.	24,756
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....	107.37				60,926.33
Substation equipment.....		457.53	360.32		1,468.29
Distribution system—overhead....	14,307.08	23,442.96	12,004.60	4,998.53	234,284.47
Distribution system—underground					
Line transformers.....	4,012.74	4,019.18	3,858.45	776.77	63,328.89
Meters.....	3,667.17	5,067.22	2,764.41	1,669.58	113,147.66
Street light equipment, regular....	788.22	1,886.92	766.86	395.94	16,933.50
Street light equipment, ornamental					
Miscellaneous construction expense	729.84	3,940.80	1,625.92	277.97	33,069.91
Steam or hydraulic plant.....					
Old plant.....		2,447.51			8,831.65
Total plant.....	23,612.42	41,262.12	21,380.56	8,118.79	531,990.70
Bank and cash balance.....	1,040.68	1,671.02	7,140.79	1,355.25	12,618.12
Securities and investments.....		13,000.00			
Accounts receivable.....	148.81	1,847.84		554.63	61,952.91
Inventories.....					14,087.59
Sinking fund on local debentures..					
Equity in H-E.P.C. systems.....	1,115.51	5,422.70		267.90	468,390.55
Other assets.....		370.72			194.65
Total assets.....	25,917.42	63,574.40	28,521.35	10,296.57	1,089,234.52
Deficit.....					
Total.....	25,917.42	63,574.40	28,521.35	10,296.57	1,089,234.52
LIABILITIES					
Debenture balance.....	7,500.00	20,173.43		7,356.50	123,801.36
Accounts payable.....	109.83	541.64	.06	365.43	51,786.86
Bank overdraft.....					
Other liabilities.....		370.72	161.48		24,489.25
Total liabilities.....	7,609.83	21,085.79	161.54	7,721.93	200,077.47
RESERVES					
For equity in H-E.P.C. systems....	1,115.51	5,422.70		267.90	468,390.55
For depreciation.....	8,855.64	14,008.23	9,518.07	157.00	80,993.85
Other reserves.....					17,484.18
Total reserves.....	9,971.15	19,430.93	9,518.07	424.90	566,868.58
SURPLUS					
Debentures paid.....	6,500.00	16,926.57	12,000.00	643.50	186,198.64
Local sinking fund.....					
Operating surplus.....	1,836.44	6,131.11	6,841.74	1,506.24	136,089.83
Total surplus.....	8,336.44	23,057.68	18,841.74	2,149.74	322,288.47
Total liabilities, reserves and surplus.	25,917.42	63,574.40	28,521.35	10,296.57	1,089,234.52
Percentage of net debt to total assets.	30.7	35.9	0.6	77.0	32.2

"A"—Continued

Hydro Municipalities as at December 31, 1939

Ottawa	Perth	Peterborough	Picton	Port Hope	Prescott	Richmond
144,202	4,174	23,984	3,439	4,724	2,925	403
484,502.14	5,109.34	78,386.66	10,897.49	11,705.77	2,761.54	.....
843,220.88	5,779.83	122,660.69	2,004.66	.....	.....	.....
834,791.30	47,503.68	283,436.10	41,881.55	54,204.40	40,729.84	6,773.96
210,371.64	.....	.....	.....	.....	.....	.....
366,399.11	25,981.71	118,055.02	12,597.28	16,964.06	14,934.16	1,146.53
284,746.32	22,668.47	107,773.95	18,215.55	24,721.59	19,840.88	1,406.05
125,021.24	4,695.82	59,329.87	10,026.23	3,303.50	2,283.40	173.98
39,767.20	5,164.07	76,626.90	3,851.46	1,986.99	2,222.68	642.54
.....	23,361.94	29,771.74	.....	.....	.....	.....
3,188,819.83	140,264.86	876,040.93	99,474.22	112,886.31	82,772.50	10,143.06
154,815.90	22,347.36	270.00	.....	1,167.59	2,700.32	859.71
240,000.00	45,532.69	.....	14,000.00	17,000.00	3,000.00	.....
97,825.98	5,418.94	36,574.65	6,361.58	3,772.36	4,650.27	427.96
35,808.46	8,853.63	8,233.61	6,053.55	2,236.61	561.95	.....
497,600.28	.....	380,239.00	.....	.....	.....	.....
170,721.21	64,019.10	275,836.29	47,602.73	49,306.11	44,832.92	2,544.87
.....	.....	2,885.35	.....	.....	.....	.....
4,385,591.66	286,436.58	1,577,194.48	176,377.43	186,368.98	138,517.96	13,975.60
.....
4,385,591.66	286,436.58	1,577,194.48	176,377.43	186,368.98	138,517.96	13,975.60
.....
545,645.14	40,195.88	527,920.00	.....	.....	.....	3,854.70
48,828.89	.....	39,961.40	2,000.00	.....	2,751.69	.....
.....	.....	10,866.40	4,309.79	.....	.....	.....
1,537.20	2,704.34	120.00	2,885.35	4,859.40	262.08	97.00
596,011.23	42,900.22	578,867.80	9,195.14	4,859.40	3,013.77	3,951.70
.....
170,721.21	64,019.10	275,836.29	47,602.73	49,306.11	44,832.92	2,544.87
1,310,627.41	55,217.61	135,006.52	16,291.82	17,182.47	44,839.01	1,893.59
252,485.91	965.59	1,205.17	992.61	.....	.....	52.84
1,733,834.53	120,202.30	412,047.98	64,887.16	66,488.58	89,671.93	4,491.30
.....
434,354.86	68,204.12	.....	5,730.32	79,000.00	12,170.99	2,645.30
497,600.28	.....	380,239.00	.....	.....	.....	.....
1,123,790.76	55,129.94	206,039.70	96,564.81	36,021.00	33,661.27	2,887.30
2,055,745.90	123,334.06	586,278.70	102,295.13	115,021.00	45,832.26	5,532.60
4,385,591.66	286,436.58	1,577,194.48	176,377.43	186,368.98	138,517.96	13,975.60
0.2	19.3	21.6	5.0	3.5	3.2	34.6

STATEMENT

Balance Sheets of Electrical Departments of

**EASTERN ONTARIO
SYSTEM—Concluded**

Municipality.....	Russell	Smiths Falls	Stirling	Trenton	Tweed
Population.....	P.V.	7,672	960	6,833	1,228
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....		19,528.85	8,462.60	5,114.41	
Substation equipment.....		4,725.66	7,949.55	28,775.27	
Distribution system—overhead....	8,186.58	89,456.42	6,862.77	109,378.94	13,632.03
Distribution system—underground					
Line transformers.....	1,513.25	34,809.79	4,541.30	24,033.01	4,281.55
Meters.....	1,782.53	36,582.19	5,211.54	31,046.45	5,284.97
Street light equipment, regular...	589.70	9,508.35	3,183.33	15,886.37	1,526.07
Street light equipment, ornamental					
Miscellaneous construction expense	1,298.45	12,301.42	652.86	6,069.11	739.66
Steam or hydraulic plant.....		36,986.49			
Old plant.....		21,248.48			
Total plant.....	13,370.51	265,147.65	36,863.95	220,303.56	25,464.28
Bank and cash balance.....	1,918.45	14,667.86	6,558.33	7,053.98	
Securities and investments.....	2,500.00	48,000.00	2,294.33		
Accounts receivable.....	1,192.20	4,327.69	956.25	1,748.42	4,386.49
Inventories.....		26.55	941.68	4,742.51	2,094.25
Sinking fund on local debentures...					
Equity in H-E.P.C. systems.....	5,125.83	93,297.91	7,843.64	66,823.12	8,287.57
Other assets.....					
Total assets.....	24,106.99	425,467.66	55,458.18	300,671.59	40,232.59
Deficit.....					
Total.....	24,106.99	425,467.66	55,458.18	300,671.59	40,232.59
LIABILITIES					
Debenture balance.....	4,180.23	4,872.48		40,831.74	8,477.92
Accounts payable.....		372.39	7.02	2,342.99	.09
Bank overdraft.....					594.93
Other liabilities.....		198.19	291.13	4,501.44	314.19
Total liabilities.....	4,180.23	5,443.06	298.15	47,676.17	9,387.13
RESERVES					
For equity in H-E.P.C. systems...	5,125.83	93,297.91	7,843.64	66,823.12	8,287.57
For depreciation.....	2,889.34	89,474.02	5,466.61	32,484.89	2,937.28
Other reserves.....		2,339.91			353.33
Total reserves.....	8,015.17	185,111.84	13,310.25	99,308.01	11,578.18
SURPLUS					
Debentures paid.....	5,819.77	192,752.52	10,000.00	124,168.26	10,522.08
Local sinking fund.....					
Operating surplus.....	6,091.82	42,160.24	31,849.78	29,519.15	8,745.20
Total surplus.....	11,911.59	234,912.76	41,849.78	153,687.41	19,267.28
Total liabilities, reserves and surplus.	24,106.99	425,467.66	55,458.18	300,671.59	40,232.59
Percentage of net debt to total assets.	22.0	1.6	0.6	20.4	29.4

“A”—Continued

Hydro Municipalities as at December 31, 1939

Warkworth P.V.	Wellington 916	Westport 693	Whitby 3,724	Williamsburg P.V.	Winchester 1,040	EASTERN ONTARIO SYSTEM SUMMARY
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	200.00	.....	6,619.20	.....	299.85	1,109,368.44
.....	499.80	.....	34,288.16	.....	.....	1,409,332.48
5,620.72	15,005.79	7,319.32	55,339.07	3,431.14	10,276.37	2,958,189.46
.....	.....	.....	.....	.....	.....	396,725.22
741.09	4,085.20	1,015.48	13,151.45	1,978.92	3,691.15	1,045,059.92
1,970.43	5,774.04	1,614.62	18,947.13	2,391.10	5,458.31	1,175,492.34
338.08	1,349.61	683.10	11,786.09	174.61	719.87	469,406.58
.....
609.19	824.71	1,423.18	8,186.22	212.38	415.87	324,104.98
.....	.....	.....	.....	.....	.....	101,623.15
3,618.02	2,477.92	1,713.00	1,340.13	.....	1,100.00	159,932.70
.....
12,897.53	30,217.07	13,768.70	149,657.45	8,188.15	21,961.42	9,149,235.27
.....
807.22	1,196.22	1,097.13	739.65	3,523.69	2,345.17	382,396.25
2,500.00	5,000.00	4,000.00	5,000.00	16,000.00	7,000.00	793,484.07
424.57	684.64	272.27	9,889.97	341.59	309.92	377,674.32
.....	.....	.....	239.20	.....	.....	139,139.20
.....	.....	.....	.....	.....	.....	900,086.35
3,501.65	9,129.93	4,102.64	45,721.04	5,849.63	18,297.90	2,216,217.14
.....	.....	.....	.....	.....	.....	10,200.19
.....
20,130.97	46,227.86	23,240.74	211,247.31	33,903.06	49,914.41	13,968,432.79
.....
20,130.97	46,227.86	23,240.74	211,247.31	33,903.06	49,914.41	13,968,432.79
.....
7,761.42	6,253.58	10,083.04	20,672.71	.....	3,258.89	1,845,162.01
97	.....	.....	3,780.80	284.24	155.22	198,795.40
.....	.....	.....	.....	.....	.....	26,765.51
14.00	56.25	110.00	1,284.02	419.87	10.00	80,154.68
.....
7,776.39	6,309.83	10,193.04	25,737.53	704.11	3,424.11	2,150,877.60
.....
3,501.65	9,129.93	4,102.64	45,721.04	5,849.63	18,297.90	2,216,217.14
2,606.77	9,653.77	1,629.56	25,169.19	3,211.72	9,235.34	2,512,968.77
.....	.....	.....	.....	358.04	.....	479,621.59
.....
6,108.42	18,783.70	5,732.20	70,890.23	9,419.39	27,533.24	5,208,807.50
.....
3,238.58	10,746.42	4,916.96	55,939.79	2,750.00	7,391.11	2,405,850.82
.....	.....	.....	.....	.....	.....	900,086.35
3,007.58	10,387.91	2,398.54	58,679.76	21,029.56	11,565.95	3,302,810.52
.....
6,246.16	21,134.33	7,315.50	114,619.55	23,779.56	18,957.06	6,608,747.69
.....
20,130.97	46,227.86	23,240.74	211,247.31	33,903.06	49,914.41	13,968,432.79
.....
46.8	17.0	53.3	15.5	2.5	10.8	11.6

STATEMENT

Balance Sheets of Electrical Departments of

THUNDER BAY
SYSTEM

Municipality.....	Fort William	Nipigon Twp.	Port Arthur	THUNDER BAY SYSTEM SUMMARY
Population.....	24,301		20,872	
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....	48,940.29	215.03	443,102.94	492,258.26
Substation equipment.....	143,281.34		301,211.75	444,493.09
Distribution system—overhead....	187,365.05	16,050.74	485,333.56	688,749.35
Distribution system—underground..				
Line transformers.....	75,545.58	3,773.80	86,408.53	165,727.91
Meters.....	76,433.14	3,591.34	98,000.50	178,024.98
Street light equipment, regular....	45,913.97	1,497.05	79,793.26	127,204.28
Street light equipment, ornamental				
Miscellaneous construction expense	11,054.54	271.10	39,326.14	50,651.78
Steam or hydraulic plant.....			325,003.44	325,003.44
Old plant.....	293,762.46			293,762.46
Total plant.....	882,296.37	25,399.06	1,858,180.12	2,765,875.55
Bank and cash balance.....	1,268.56	1,206.01	18,538.62	21,013.19
Securities and investments.....	86,500.00	1,732.02	617,283.67	705,515.69
Accounts receivable.....	40,769.72	585.96	71,739.52	113,095.20
Inventories.....	10,159.86	13.75	26,787.00	36,960.61
Sinking fund on local debentures....	126,644.57		37,640.84	164,285.41
Equity in H-E.P.C. systems.....	632,854.47	5,357.48	2,073,132.63	2,711,344.58
Other assets.....			433.98	433.98
Total assets.....	1,780,493.55	34,294.28	4,703,736.38	6,518,524.21
Deficit.....				
Total.....	1,780,493.55	34,294.28	4,703,736.38	6,518,524.21
LIABILITIES				
Debenture balance.....	300,000.00	3,672.51	43,738.03	347,410.54
Accounts payable.....	26,786.77		62,558.66	89,345.43
Bank overdraft.....	14,811.99		44,484.59	59,296.58
Other liabilities.....	25,664.34			25,664.34
Total liabilities.....	367,263.10	3,672.51	150,781.28	521,716.89
RESERVES				
For equity in H-E.P.C. systems....	632,854.47	5,357.48	2,073,132.63	2,711,344.58
For depreciation.....	143,167.37	3,871.90	536,877.71	683,916.98
Other reserves.....	24,391.69		87,113.32	111,505.01
Total reserves.....	800,413.53	9,229.38	2,697,123.66	3,506,766.57
SURPLUS				
Debentures paid.....	367,650.00	6,327.49	598,361.97	972,339.46
Local sinking fund.....	126,644.57		37,640.84	164,285.41
Operating surplus.....	118,522.35	15,064.90	1,219,828.63	1,353,415.88
Total surplus.....	612,816.92	21,392.39	1,855,831.44	2,490,040.75
Total liabilities, reserves and surplus.	1,780,493.55	34,294.28	4,703,736.38	6,518,524.21
Percentage of net debt to total assets.	23.6	12.7	4.4	9.8

“A”—Concluded

Hydro Municipalities as at December 31, 1939

NORTHERN ONTARIO DISTRICTS—				
Capreol 1,680	Sioux Lookout 1,901	Sudbury 26,463	NORTHERN ONTARIO DISTRICTS SUMMARY	ALL SYSTEMS GRAND SUMMARY
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
450.00		26,000.00	26,450.00	11,030,623.50
9,527.32		76,685.72	86,213.04	23,780,655.18
12,728.97	8,252.22	317,645.84	338,627.03	23,925,362.60
				6,202,371.87
4,130.65	3,553.01	86,514.36	94,198.02	10,855,346.75
4,821.20	5,617.22	110,420.13	120,858.55	9,838,600.98
1,038.36	1,698.95	86,261.07	88,998.38	2,798,171.62
				1,518,035.24
840.70	603.61	13,329.25	14,773.56	4,147,280.84
				498,650.81
				4,894,655.59
33,537.20	19,725.01	716,856.37	770,118.58	99,489,754.98
418.79	1,896.59	83,880.15	86,195.53	3,107,087.65
		58,500.00	58,500.00	4,850,531.80
799.95	209.96	21,580.92	22,590.83	4,774,816.58
		13,300.55	13,300.55	1,496,275.62
				11,032,594.44
				48,615,296.94
				156,520.39
34,755.94	21,831.56	894,117.99	950,705.49	173,522,878.40
				21,889.57
34,755.94	21,831.56	894,117.99	950,705.49	173,544,767.97
987.00		126,648.96	127,635.96	27,962,685.51
2.71	5,933.34	32,369.46	38,305.51	3,100,565.26
				180,064.81
290.00	1,375.76	31,622.78	33,288.54	2,998,174.20
1,279.71	7,309.10	190,641.20	199,230.01	34,241,489.78
3,230.00	95.60	47,641.68	50,967.28	48,615,296.94
156.16		48,144.65	48,300.81	24,046,526.92
				3,090,471.34
3,386.16	95.60	95,786.33	99,268.09	75,752,295.20
18,013.00		340,689.57	358,702.57	32,866,660.82
12,077.07	14,426.86	267,000.89	293,504.82	11,032,594.44
				19,651,727.73
30,090.07	14,426.86	607,690.46	652,207.39	63,550,982.99
34,755.94	21,831.56	894,117.99	950,705.49	173,544,767.97
3.7	33.5	26.6	29.5	19.3

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA
SYSTEM

Municipality	Acton	Agincourt	Ailsa Craig	Alvinston	Amherst- burg
Population	1,869	P.V.	483	650	2,857
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service	10,990.19	4,842.83	2,419.50	3,524.01	21,441.70
Commercial light service	4,871.41	1,253.62	1,381.74	2,394.00	7,343.19
Commercial power service	15,555.34	972.14	925.47	187.01	8,576.03
Municipal power	637.43			339.69	
Street lighting	1,983.06	756.00	683.30	1,584.00	2,311.18
Merchandise					
Miscellaneous	308.24	251.41	328.11	165.00	274.31
Total earnings	34,345.67	8,076.00	5,738.12	8,193.71	39,946.41
EXPENSES					
Power purchased	26,884.01	5,881.04	4,262.87	4,577.91	26,442.06
Substation operation					
Substation maintenance					
Distribution system, operation and maintenance	3,008.49	64.43	80.67	183.48	1,585.14
Line transformer maintenance	71.33	77.56		80.47	42.00
Meter maintenance	174.00	77.59	131.75	88.35	783.63
Consumers' premises expenses	402.65	85.58			1,496.46
Street lighting, operation and main- tenance	284.49	98.68	52.45	36.53	720.48
Promotion of business	132.63				769.06
Billing and collecting	592.18	379.08	250.00	416.94	1,353.63
General office, salaries and expenses ..	575.54	147.55	63.85	90.13	1,202.11
Undistributed expenses	55.74		13.69	18.81	130.67
Truck operation and maintenance	205.20				155.72
Interest				172.87	828.41
Sinking fund and principal payments on debentures				1,445.63	1,799.34
Depreciation	1,482.00	435.00	523.00	755.00	2,441.00
Other reserves		60.05			185.10
Total operating costs and fixed charges	33,868.26	7,306.56	5,378.28	7,866.12	39,934.81
Net surplus	477.41	769.44	359.84	327.59	11.60
Net loss					
NUMBER OF CONSUMERS					
Domestic service	510	154	142	268	682
Commercial light service	89	26	35	53	122
Power service	16	2	2	2	15
Total	615	182	179	323	819

“B”

Hydro Municipalities for Year Ended December 31, 1939

Ancaster Twp.	Arkona 397	Aylmer 2,156	Ayr 730	Baden P.V.	Beachville P.V.	Beamsville 1,161
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
11,135.51	2,712.22	11,100.15	5,469.70	3,454.51	3,505.23	9,505.80
3,200.32	1,694.67	9,744.64	1,708.80	2,102.12	731.95	4,912.50
562.94	56.27	4,042.58	528.62	5,437.00	10,388.06	2,007.22
305.30		1,164.08				
1,054.00	1,072.00	2,575.83	1,028.00	711.00	517.00	1,908.00
		849.68	30.00	27.78	187.42	199.65
16,258.07	5,535.16	29,476.96	8,765.12	11,732.41	15,329.66	18,533.17
9,251.96	3,124.62	17,467.82	5,681.01	9,025.71	12,891.64	9,771.84
1,159.38	170.99	890.42	612.45	65.13	286.43	176.38
103.85		41.36				4.35
74.32	61.97	383.31	142.20	56.10	81.20	5.41
191.69	4.48	50.41	123.56	179.94	59.42	288.78
282.29	67.98	358.97	123.04	100.02	129.42	208.45
		95.85				4.00
911.90	179.85	1,006.25	383.13	289.95	376.67	583.50
786.86	119.08	710.64	71.85	132.57	105.81	680.84
34.68		186.49	16.67	14.64		5.57
		176.20				
517.80	355.11	739.49	246.85	44.29	58.55	1,449.63
412.94	776.58	1,768.43	468.56	280.97	299.24	1,309.69
1,108.00	402.00	1,746.00	697.00	523.00	741.00	1,049.00
						1,099.88
14,835.67	5,262.66	25,621.64	8,566.32	10,712.32	15,029.38	16,637.32
1,422.40	272.50	3,855.32	198.80	1,020.09	300.28	1,895.85
324	103	698	225	150	163	349
36	36	157	41	39	22	73
6	1	12	5	2	4	6
366	140	867	271	191	189	428

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA
SYSTEM—Continued

Municipality.....	Belle River	Blenheim	Blyth	Bolton	Bothwell
Population.....	814	1,758	656	600	694
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	4,462.41	8,934.25	3,396.76	4,113.76	2,746.74
Commercial light service.....	2,446.87	7,801.22	1,956.94	1,726.74	1,669.08
Commercial power service.....	105.07	3,037.28	418.21	2,029.64	550.08
Municipal power.....	1,114.67	1,875.90		132.75	143.70
Street lighting.....	1,030.00	2,626.15	1,580.00	1,070.52	1,225.02
Merchandise.....		66.58			41.79
Miscellaneous.....	44.84	822.84	97.50	206.25	513.32
Total earnings.....	9,203.86	25,164.22	7,449.41	9,279.66	6,889.73
EXPENSES					
Power purchased.....	5,135.08	15,176.23	4,696.97	4,900.57	4,648.58
Substation operation.....					
Substation maintenance.....					
Distribution system, operation and maintenance.....	767.00	1,307.85	320.50	328.60	272.14
Line transformer maintenance.....	263.15	227.35			
Meter maintenance.....	265.94	627.63	4.34	250.67	96.73
Consumers' premises expenses.....		794.13	4.50	185.85	243.93
Street lighting, operation and maintenance.....	151.84	633.12	119.93	109.55	195.93
Promotion of business.....	27.90		2.50	36.52	53.04
Billing and collecting.....	564.87	1,155.02	307.50		219.35
General office, salaries and expenses.....	354.83	1,510.12	130.76	604.21	86.44
Undistributed expenses.....	39.52	166.91	25.43		6.68
Truck operation and maintenance.....					
Interest.....		648.56	220.52	158.12	121.68
Sinking fund and principal payments on debentures.....		676.41	1,092.39	461.25	241.58
Depreciation.....	890.00	1,951.00	555.00	686.00	653.00
Other reserves.....		115.40			
Total operating costs and fixed charges.....	8,460.13	24,989.73	7,480.34	7,721.34	6,839.08
Net surplus.....	743.73	174.49		1,558.32	50.65
Net loss.....			30.93		
NUMBER OF CONSUMERS					
Domestic service.....	244	557	176	178	189
Commercial light service.....	44	133	47	48	54
Power service.....	2	14	3	10	7
Total.....	290	704	226	236	250

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1939

Brampton 5,695	Brantford 31,369	Brantford Twp.	Bridgeport P.V.	Brigden P.V.	Brussels 773	Burford P.V.
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
40,356.23	170,626.49	22,718.14	4,850.10	2,316.18	4,509.68	4,456.75
18,944.60	75,947.63	4,266.29	798.07	1,960.77	3,014.64	1,201.70
18,362.80	195,730.43	3,432.69	144.10	654.56	713.92	605.97
1,543.68	17,040.67	.....	.....	.....	.....	.....
6,458.66	33,593.94	4,151.87	799.50	800.00	1,296.00	670.08
437.64	5,089.31	398.99	.....	86.29	214.06	305.60
86,103.61	498,028.47	34,967.98	6,591.77	5,817.80	9,748.30	7,240.10
68,712.33	365,907.89	20,798.48	3,794.72	3,650.19	5,396.09	5,006.14
245.10	10,651.30	.....	.....	.....	.....	.....
.....	2,055.61	.....	.....	.....	.....	.....
1,649.14	7,159.64	1,470.65	71.02	223.63	408.90	96.52
247.50	571.12	113.41	.....	.....	.....	.....
988.85	5,308.05	572.59	9.55	34.83	48.80	143.80
422.53	4,593.58	5.03	56.65	.....	.....	104.64
901.63	4,097.60	895.56	62.03	113.40	153.16	90.44
50.00	1,612.23	.....	.....	.....	.....	.....
1,705.50	10,556.39	1,837.97	373.13	307.24	.....	524.28
2,010.27	9,031.38	1,698.31	30.79	205.44	612.38	113.99
144.48	4,367.46	9.66	5.00	20.38	.....	8.23
204.37	2,341.15	.....	.....	.....	.....	.....
350.45	4,352.50	99.34	775.88	.....	412.72	.....
2,373.71	15,750.00	1,986.97	416.48	.....	1,344.56	.....
5,611.00	33,305.00	3,113.00	576.00	444.00	726.00	567.00
150.00	2,000.00	23.54	.....	.....	.....	.....
85,766.86	483,660.90	32,624.51	6,171.25	4,999.11	9,102.61	6,655.04
336.75	14,367.57	2,343.47	420.52	818.69	645.69	585.06
.....
1,486	7,693	970	183	117	240	196
245	1,159	53	19	39	69	29
53	223	8	1	4	2	1
1,784	9,075	1,031	203	160	311	226

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA
SYSTEM—Continued

Municipality	Burgess- ville P.V.	Caledonia	Campbell- ville P.V.	Cayuga	Chatham
Population		1,425		682	16,517
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service	1,647.51	6,679.25	1,681.59	3,811.30	90,972.33
Commercial light service	794.22	5,200.34	731.66	3,866.43	84,482.07
Commercial power service	240.83	1,740.26		922.61	71,866.58
Municipal power					6,438.86
Street lighting	312.00	1,908.27	460.00	1,437.93	19,356.31
Merchandise					1,448.56
Miscellaneous		121.41	65.14	113.62	600.00
Total earnings	2,994.56	15,649.53	2,938.39	10,151.89	275,164.71
EXPENSES					
Power purchased	2,136.20	9,577.04	1,545.17	4,962.82	151,726.34
Substation operation					7,852.39
Substation maintenance					2,831.28
Distribution system, operation and maintenance	114.57	816.44	44.60	598.00	7,949.78
Line transformer maintenance	11.35	69.68		15.82	1,361.28
Meter maintenance	17.00	211.49		149.06	5,173.00
Consumers' premises expenses		149.70			4,496.85
Street lighting, operation and main- tenance	15.36	366.44	22.71	221.75	6,139.39
Promotion of business		112.52		39.40	5,909.69
Billing and collecting		635.48		605.52	8,919.32
General office, salaries and expenses	152.52	604.31	104.44	480.47	14,389.20
Undistributed expenses . . . . .	.68	138.67		72.45	5,394.65
Truck operation and maintenance		195.65			3,006.44
Interest	1.12	18.04	129.20	468.77	8,800.97
Sinking fund and principal payments on debentures		343.68	364.84	1,213.76	12,327.04
Depreciation	249.00	803.00	142.00	757.00	19,929.00
Other reserves					
Total operating costs and fixed charges	2,697.80	14,042.14	2,352.96	9,584.82	266,206.62
Net surplus	296.76	1,607.39	585.43	567.07	8,958.09
Net loss					
NUMBER OF CONSUMERS					
Domestic service	56	406	51	171	4,127
Commercial light service	18	102	13	62	792
Power service	2	8		7	108
Total	76	516	64	240	5,027

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1939

Chippawa	Clifford	Clinton	Comber	Cottam	Courtright	Dashwood
1,140	452	1,888	P.V.	P.V.	329	P.V.
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
7,714.04	2,553.97	12,430.52	2,029.18	2,342.16	1,718.52	1,672.59
2,316.26	2,182.03	8,024.21	1,976.44	1,417.41	1,123.94	1,156.66
43.25	511.38	3,102.83	1,785.36	280.70		738.26
1,172.06		937.74			989.57	
1,689.33	951.94	2,705.80	689.50	480.00	688.00	451.01
		198.30				
160.24	32.17	946.78	270.67	262.19		86.05
13,095.18	6,231.49	28,346.18	6,751.15	4,782.46	4,520.03	4,104.57
5,772.45	3,742.82	16,952.42	5,305.39	2,793.06	2,276.39	2,850.25
		100.00				
1,076.28	52.43	888.20	361.08	149.86	180.01	33.65
58.20		141.72				
246.59	29.70	172.03	16.90	100.88		1.35
460.29	18.34	311.23		31.58		6.74
420.17	40.64	356.82	99.09	96.93	52.30	30.17
55.94						
672.08	352.50	877.64	215.37		199.09	163.61
761.74	36.11	1,251.23	447.86	425.30	15.72	67.09
138.59	14.53	78.02	20.06	6.17	6.12	7.96
		238.06				
119.03	316.73	412.50	31.24	262.40	2.91	82.16
1,091.74	233.70	180.09	205.62	490.74		152.44
720.00	365.00	2,375.00	560.00	453.00	265.00	276.00
					14.21	
11,593.10	5,202.50	24,334.96	7,262.61	4,809.92	3,011.75	3,671.42
1,502.08	1,028.99	4,011.22			1,508.28	433.15
			511.46	27.46		
335	122	575	105	111	72	83
49	38	133	47	29	25	27
2	1	16	2	1	1	2
386	161	724	154	141	98	112

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA
SYSTEM—Continued

Municipality.....	Delaware	Delhi	Dorchester	Drayton	Dresden
Population.....	P.V.	2,083	P.V.	527	1,572
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	1,812.37	10,831.84	2,581.81	3,434.83	6,361.53
Commercial light service.....	805.48	10,683.59	942.56	1,960.72	6,003.98
Commercial power service.....		7,346.13	706.59	1,274.16	2,934.90
Municipal power.....					510.40
Street lighting.....	270.00	2,140.90	720.00	960.00	2,061.48
Merchandise.....					
Miscellaneous.....	59.31	447.07	115.86	215.00	521.46
Total earnings.....	2,947.16	31,449.53	5,066.82	7,844.71	18,393.75
EXPENSES					
Power purchased.....	1,877.64	13,919.60	3,410.83	5,285.81	13,477.08
Substation operation.....		504.72			
Substation maintenance.....					
Distribution system, operation and maintenance.....	86.80	2,158.95	236.46	158.28	1,981.27
Line transformer maintenance.....		102.30	1.50	231.09	
Meter maintenance.....	10.48	185.79		46.15	319.00
Consumers' premises expenses.....		328.30	31.43	10.95	
Street lighting, operation and maintenance.....	27.05	231.60	26.36	166.85	348.39
Promotion of business.....	53.02	297.56	60.00		363.35
Billing and collecting.....	153.15	1,087.34	159.03		861.07
General office, salaries and expenses..	37.80	815.05	49.47	389.80	953.35
Undistributed expenses.....		70.62			81.05
Truck operation and maintenance.....		547.79			176.95
Interest.....	66.09	2,581.16	80.55	286.65	
Sinking fund and principal payments on debentures.....	194.21	1,847.00	199.17	403.51	
Depreciation.....	204.00	1,335.00	445.00	654.00	967.00
Other reserves.....					
Total operating costs and fixed charges.....	2,710.24	26,012.78	4,699.80	7,633.09	19,528.51
Net surplus.....	236.92	5,436.75	367.02	211.62	
Net loss.....					1,134.76
NUMBER OF CONSUMERS					
Domestic service.....	61	549	141	167	437
Commercial light service.....	17	153	27	65	127
Power service.....		5	2	4	11
Total.....	78	707	170	236	575

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1939

Drumbo P.V.	Dublin P.V.	Dundas 4,839	Dunnville 3,928	Dutton 793	East York Twp.	Elmira 2,074
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
2,313.04	1,436.66	22,165.10	13,959.08	3,119.40	192,960.94	14,785.29
912.01	805.84	12,309.03	14,333.57	2,338.36	30,298.00	7,496.29
640.20	1,287.99	21,382.58	10,625.69	2,903.15	32,354.53	5,152.04
.....	.....	363.44	2,513.76	.....	5,209.90	863.52
528.66	550.00	5,628.00	3,577.92	1,036.44	21,128.99	2,035.00
.....
85.54	.....	615.19	1,181.49	271.60	349.74	871.85
4,479.45	4,080.49	62,463.34	46,191.51	9,668.95	282,302.10	31,203.99
.....
2,926.28	2,913.02	41,163.02	24,497.91	7,320.69	180,307.63	19,314.88
.....	.....	581.53	355.00	.....	183.30	.....
.....
298.49	29.30	4,862.29	2,927.59	464.03	8,066.86	1,775.37
4.89	.....	357.76	337.77	34.90	501.45	167.49
77.03	.....	829.91	444.51	77.30	4,786.62	12.40
21.53	16.19	277.75	.....	4.65	4,887.62	293.03
.....
117.73	97.13	1,392.01	848.08	192.49	2,026.44	201.55
.....	.....	75.00	98.38	.....	.....	304.02
225.52	107.96	1,396.64	976.84	444.20	14,679.80	746.50
89.57	89.19	2,352.04	1,307.56	160.35	13,052.46	625.92
1.05	13.03	602.70	183.47	28.01	911.51	245.38
.....	.....	989.71	233.92	.....	.....	293.91
74.29	.....	731.84	2,067.98	.....	10,390.30	843.34
.....
218.44	.....	2,839.77	3,492.95	.....	19,048.63	2,180.19
353.00	350.00	5,010.00	3,805.00	683.00	15,728.00	2,445.00
.....
.....
4,407.82	3,615.82	63,461.97	41,576.96	9,409.62	274,570.62	29,448.98
71.63	464.67	.....	4,614.55	259.33	7,731.48	1,755.01
.....	.....	998.63	.....	.....	.....	.....
.....
.....
90	56	1,267	948	222	9,729	527
27	22	192	224	64	428	123
1	2	36	24	10	44	21
118	80	1,495	1,196	296	10,201	671

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA
SYSTEM—Continued

Municipality.....	Elora	Embro	Erieau	Erie Beach	Essex
Population.....	1,149	423	295	28	1,854
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	7,465.96	3,097.16	3,988.67	1,784.35	7,984.64
Commercial light service.....	4,105.50	1,335.25	1,300.02	380.50	6,790.64
Commercial power service.....	2,884.29	231.30	426.97		4,639.67
Municipal power.....					1,470.18
Street lighting.....	1,544.64	636.00	432.00		2,156.68
Merchandise.....	28.64				
Miscellaneous.....	454.88	102.74			657.04
Total earnings.....	16,483.91	5,402.45	6,147.66	2,164.85	23,698.85
EXPENSES					
Power purchased.....	10,703.15	3,492.04	3,437.98	1,122.17	13,482.39
Substation operation.....					
Substation maintenance.....					
Distribution system, operation and maintenance.....	1,164.31	109.31	203.99	92.89	550.32
Line transformer maintenance.....			119.34	14.73	36.15
Meter maintenance.....	146.66	37.98	162.80	40.31	389.92
Consumers' premises expenses.....		67.49	124.68	11.15	83.00
Street lighting, operation and maintenance.....	280.44	99.15	56.47		378.27
Promotion of business.....		80.00			112.16
Billing and collecting.....	770.31	250.68	505.50	213.96	1,101.18
General office, salaries and expenses.....	817.67	98.89	221.77	33.74	1,648.70
Undistributed expenses.....	123.69		27.20	.56	195.15
Truck operation and maintenance.....	264.09				321.56
Interest.....		38.07	157.18	107.21	891.36
Sinking fund and principal payments on debentures.....		616.94	460.96	180.49	657.30
Depreciation.....	1,305.00	603.00	477.00	109.00	2,170.00
Other reserves.....					97.00
Total operating costs and fixed charges.....	15,575.32	5,493.55	5,954.87	1,926.21	22,114.46
Net surplus.....	908.59		192.79	238.64	1,584.39
Net loss.....		91.10			
NUMBER OF CONSUMERS					
Domestic service.....	331	114	195	86	478
Commercial light service.....	72	38	16	3	119
Power service.....	3	2	2		16
Total.....	406	154	213	89	613

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1939

Etobicoke Twp.	Exeter 1,649	Fergus 2,792	Fonthill 867	Forest 1,520	Forest Hill 11,117	Galt 14,219
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
146,226.81	11,169.75	18,394.08	5,135.52	11,957.16	194,446.50	93,458.17
23,166.79	6,151.82	7,675.47	1,762.50	6,181.06	25,339.30	44,152.99
22,314.44	2,836.88	12,574.48	270.78	3,699.64	2,483.11	110,778.38
5,522.34	470.73	618.47	233.45	896.86	467.52	4,195.45
13,767.62	2,736.87	2,758.86	1,364.83	2,426.34	7,176.06	16,292.92
.....	291.86	5.64	.....	36.59	.....	.....
.....	885.19	.....	59.11	782.89	2,378.74	2,779.16
210,998.00	24,543.10	42,027.00	8,826.19	25,980.54	232,291.23	271,657.07
137,288.68	15,818.30	32,205.27	3,278.74	16,377.76	157,283.53	188,979.83
.....	.....	.....	.....	.....	1,861.11	4,888.22
.....	.....	.....	.....	.....	.....	495.83
7,152.66	721.41	1,027.47	451.24	1,554.27	4,326.19	2,895.40
751.50	.....	242.13	.....	26.20	114.79	704.87
1,463.16	654.59	550.59	31.75	177.20	1,231.28	2,191.32
7,083.55	595.81	178.27	35.86	1,146.94	3,797.91	3,981.89
841.61	452.30	719.63	73.43	309.01	642.27	1,842.45
.....	.....	.....	.....	102.75	.....	1,757.61
6,715.09	877.08	1,044.45	512.32	936.70	4,284.16	4,315.69
4,930.50	1,704.38	780.76	197.69	1,280.84	5,332.35	5,193.63
2,083.52	46.85	185.00	63.53	145.01	670.19	1,852.12
1,157.56	276.09	287.00	.....	292.40	950.28	643.86
6,476.96	131.93	860.70	569.19	325.54	11,731.90	5,232.36
13,113.91	1,287.12	1,419.11	1,398.97	1,052.90	11,772.54	22,949.03
14,344.00	1,826.00	1,887.00	582.00	1,731.00	10,432.00	27,054.00
.....	.....	.....	.....	.....	380.65	.....
203,402.70	24,391.86	41,387.38	7,194.72	25,458.52	214,811.15	274,978.11
7,595.30	151.24	639.62	1,631.47	522.02	17,480.08	.....
.....	.....	.....	.....	.....	.....	3,321.04
4,339	475	721	236	466	2,988	3,900
241	131	119	33	124	228	503
35	13	13	3	22	21	110
4,615	619	853	272	612	3,237	4,513

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA
SYSTEM—Continued

Municipality.....	George- town 2,345	Glencoe 726	Goderich 4,407	Granton P.V.	Guelph 21,514
Population.....					
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	17,938.54	5,017.33	29,991.07	1,869.76	109,406.55
Commercial light service.....	7,627.30	3,952.16	16,356.05	1,013.83	54,815.24
Commercial power service.....	25,759.30	1,729.16	11,069.10		112,844.95
Municipal power.....	694.34	1,534.78	2,438.37		12,575.04
Street lighting.....	2,736.29	1,962.00	4,488.13	370.00	18,961.48
Merchandise.....			396.91		
Miscellaneous.....	566.79	264.00	559.89	202.17	895.95
Total earnings.....	55,322.56	14,459.43	65,299.52	3,455.76	309,499.21
EXPENSES					
Power purchased.....	42,262.47	9,003.74	41,332.26	2,384.86	235,476.37
Substation operation.....			1,794.90		3,727.96
Substation maintenance.....					
Distribution system, operation and maintenance.....	1,836.91	669.75	2,802.53	25.39	7,710.70
Line transformer maintenance.....	182.89		162.80	25.70	708.46
Meter maintenance.....	150.87	110.71	714.62	67.40	4,472.27
Consumers' premises expenses.....	255.75	26.19	260.72	128.93	1,373.22
Street lighting, operation and main- tenance.....	296.59	146.68	605.08	54.01	4,510.32
Promotion of business.....	39.46	13.99	31.01		991.20
Billing and collecting.....	1,767.20	495.19	1,605.38	259.39	6,764.81
General office, salaries and expenses..	974.56	353.75	1,864.67	65.81	11,078.15
Undistributed expenses.....	129.87	166.21	142.61	5.84	945.06
Truck operation and maintenance....	392.61		240.14		2,426.97
Interest.....	367.23	87.76	1,961.81	88.16	125.00
Sinking fund and principal payments on debentures.....	1,085.75	1,353.27	3,006.99	169.06	105.10
Depreciation.....	2,412.00	1,210.00	6,649.00	287.00	19,738.00
Other reserves.....		54.00			
Total operating costs and fixed charges.....	52,154.16	13,691.24	63,174.52	3,561.55	300,153.59
Net surplus.....	3,168.40	768.19	2,125.00		9,345.62
Net loss.....				105.79	
NUMBER OF CONSUMERS					
Domestic service.....	735	220	1,258	89	5,355
Commercial light service.....	123	81	248	31	789
Power service.....	25	9	20		138
Total.....	883	310	1,526	120	6,282

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1939

Hagersville 1,355	Hamilton 154,751	Harriston 1,269	Harrow 1,032	Hensall 685	Hespeler 2,789	Highgate 362
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
6,043.26	834,807.68	7,187.62	9,057.95	4,099.63	14,813.84	1,624.48
6,014.68	456,944.77	4,738.48	5,009.00	2,712.51	4,983.93	899.31
11,790.19	1,681,152.60	5,423.74	2,761.98	3,231.08	42,911.27	1,014.11
.....	68,163.15	423.21	.....	33.74	931.04	29.35
2,050.00	123,751.44	1,606.50	1,348.50	1,008.00	3,173.11	567.00
.....	.....	.....	202.57	.....	.....	.....
942.90	61,311.83	156.95	16.80	340.02	1,275.95	171.39
26,841.03	3,226,131.47	19,536.50	18,396.80	11,424.98	68,089.14	4,305.64
19,151.81	2,350,792.14	12,432.24	13,132.11	6,751.60	52,413.29	2,859.68
.....	57,333.57	.....	.....	.....	415.71	.....
.....	12,103.09	.....	.....	.....	.....	.....
2,012.10	37,012.91	1,585.16	272.30	888.08	3,173.18	77.81
72.05	5,969.13	58.29	81.97	.....	102.43	.....
360.38	29,640.19	218.54	442.39	.....	206.86	1.50
6.40	30,833.59	232.63	370.81	8.07	414.05	.....
416.06	15,094.41	166.74	342.93	116.38	319.03	62.78
31.50	28,863.92	47.75	68.70	40.00	158.03	.....
733.13	62,853.53	726.73	826.29	279.22	1,032.27	318.68
711.99	50,273.95	368.27	588.52	311.95	1,325.91	130.36
51.93	34,467.42	47.44	31.38	29.08	568.71	6.22
192.08	.....	102.78	.....	.....	350.22	.....
84.49	129,170.42	335.98	147.00	249.38	1,275.89	.....
305.82	286,705.94	689.59	737.53	613.55	2,456.37	.....
1,325.00	148,873.71	1,235.00	1,014.00	817.00	3,198.00	427.00
.....
25,454.74	3,279,987.92	18,247.14	18,055.93	10,104.31	67,409.95	3,884.03
1,386.29	.....	1,289.36	340.87	1,320.67	679.19	421.61
.....	53,856.45	.....	.....	.....	.....	.....
372	39,342	365	299	194	758	101
114	5,170	102	83	58	100	35
13	1,264	14	6	14	27	5
499	45,776	481	388	266	885	141

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA
SYSTEM—Continued

Municipality.....	Humberstone 2,738	Ingersoll	Jarvis	Kingsville	Kitchener
Population.....		5,177	519	2,359	33,080
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	10,680.15	30,011.79	2,705.08	14,178.16	191,096.62
Commercial light service.....	3,094.09	16,968.52	1,967.35	7,719.47	119,999.12
Commercial power service.....	4,312.65	27,523.13	3,232.99	3,618.36	283,739.16
Municipal power.....		1,356.60		1,180.37	19,044.40
Street lighting.....	1,642.50	4,832.39	858.00	2,872.24	31,609.70
Merchandise.....					
Miscellaneous.....	546.80	1,050.54	171.11	1,353.07	1,368.27
Total earnings.....	20,276.19	81,742.97	8,934.53	30,921.67	646,857.27
EXPENSES					
Power purchased.....	10,181.30	61,071.95	6,066.53	17,727.42	501,994.12
Substation operation.....		734.82			8,203.48
Substation maintenance.....					2,017.73
Distribution system, operation and maintenance.....	1,038.02	3,519.81	35.72	1,760.72	12,445.25
Line transformer maintenance.....	22.70	19.79		51.62	874.60
Meter maintenance.....	117.50	872.30		416.26	5,662.76
Consumers' premises expenses.....		788.98		223.72	6,985.33
Street lighting, operation and maintenance.....	189.54	984.54	100.07	563.77	8,638.25
Promotion of business.....		600.84		138.27	5,636.73
Billing and collecting.....	710.20	1,235.29	549.20	1,906.35	15,322.89
General office, salaries and expenses..	273.30	4,324.91	52.17	1,317.97	10,461.18
Undistributed expenses.....	10.86	1,390.08	7.56	363.58	8,384.33
Truck operation and maintenance...	68.86	371.86		360.20	2,541.39
Interest.....	702.00		206.35	1,475.69	6,468.33
Sinking fund and principal payments on debentures.....	1,800.00		672.29	958.03	20,000.32
Depreciation.....	1,173.00	4,438.00	508.00	2,357.00	41,039.00
Other reserves.....					
Total operating costs and fixed charges.....	16,287.28	80,353.17	8,197.89	29,620.60	656,675.69
Net surplus.....	3,988.91	1,389.80	736.64	1,301.07	
Net loss.....					9,818.42
NUMBER OF CONSUMERS					
Domestic service.....	639	1,400	143	620	7,773
Commercial light service.....	79	234	44	150	1,085
Power service.....	8	45	4	17	253
Total.....	726	1,679	191	787	9,111

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1939

Lambeth P.V.	La Salle 882	Leamington 5,630	Listowel 2,773	London 73,846	London Twp.	Long Branch 4,140
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
3,087.56	6,399.24	27,166.39	16,013.71	527,069.93	12,272.90	27,473.19
1,201.87	1,636.31	17,941.48	11,368.89	205,150.49	2,431.79	6,300.81
.....	1,707.14	19,357.33	11,851.49	352,810.30	1,630.87	1,403.95
540.81	.....	2,652.33	974.78	68,926.46	.....	934.99
741.00	804.00	5,300.96	4,659.96	55,975.40	1,232.50	4,543.86
.....	11.09	.....	.....	4,623.89	.....	.....
62.50	73.96	963.71	621.81	23,571.41	277.63	.....
5,633.74	10,631.74	73,382.20	45,490.64	1,238,127.88	17,845.69	40,656.80
3,795.41	6,819.15	49,458.87	31,743.70	828,523.89	13,172.01	23,378.17
.....	.....	.....	87.13	19,545.07	.....	.....
.....	.....	.....	.....	19,745.48	.....	.....
176.07	579.74	3,356.31	1,926.12	20,666.79	364.90	2,990.03
7.62	30.65	.....	182.44	3,479.68	6.00	93.16
92.63	79.67	675.77	479.47	19,873.99	323.22	451.85
25.36	214.75	567.38	218.86	27,566.55	779.39	351.63
48.75	165.70	860.85	589.97	8,529.56	212.06	389.56
.....	.....	142.85	240.68	25,607.20	165.00	.....
279.92	408.81	1,674.96	1,001.88	26,616.12	706.70	2,268.26
48.36	481.14	3,501.07	1,322.07	37,298.22	546.17	2,225.93
1.42	39.92	684.20	160.89	18,305.48	4.29	685.50
.....	271.83	247.24	124.54	3,291.55	.....	.....
3.44	452.63	.....	86.31	30,546.47	289.42	598.90
.....	898.73	.....	698.35	46,861.32	698.84	2,059.07
448.00	1,067.00	4,244.00	3,347.00	115,061.00	1,033.00	2,613.00
.....	48.71	.....	.....	2,159.77	.....	.....
4,926.98	11,558.43	65,413.50	42,209.41	1,253,678.14	18,301.00	38,105.06
706.76	.....	7,968.70	3,281.23	.....	.....	2,551.74
.....	926.69	.....	.....	15,550.26	455.31	.....
127	221	1,480	754	17,962	413	1,321
24	19	269	158	2,146	20	94
2	3	32	23	449	4	5
153	243	1,781	935	20,557	437	1,420

STATEMENT

Detailed Operating Reports of Electrical Departments of

**NIAGARA
SYSTEM—Continued**

Municipality.....	Lucan	Lynden	Markham	Merlin	Merritton
Population.....	610	P.V.	1,153	P.V.	2,656
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	4,311.08	2,093.19	7,323.65	2,283.67	13,140.02
Commercial light service.....	1,973.15	863.22	3,430.32	2,222.62	3,003.96
Commercial power service.....	1,797.84	709.67	2,607.63	495.47	114,589.35
Municipal power.....			379.66		2,301.00
Street lighting.....	1,261.33	440.00	1,428.00	705.72	3,354.00
Merchandise.....					
Miscellaneous.....	299.82	22.89	383.02	474.20	325.01
Total earnings.....	9,643.22	4,128.97	15,552.28	6,181.68	136,713.34
EXPENSES					
Power purchased.....	5,376.63	2,745.41	9,925.20	2,955.74	114,531.32
Substation operation.....					1,623.88
Substation maintenance.....					
Distribution system, operation and maintenance.....	543.66	148.94	924.16	223.09	2,239.71
Line transformer maintenance.....		17.51	120.53	15.37	63.38
Meter maintenance.....	34.11	72.34	22.75	52.95	628.64
Consumers' premises expenses.....	435.04		52.87	93.37	72.83
Street lighting, operation and maintenance.....	204.12	13.46	172.28	69.45	516.86
Promotion of business.....		111.64	74.00		
Billing and collecting.....	604.74		860.30	233.78	1,405.51
General office, salaries and expenses..	410.70	180.46	79.92	218.13	2,096.15
Undistributed expenses.....	56.14	29.25	34.07	1.47	155.85
Truck operation and maintenance.....			177.13		212.32
Interest.....	143.37	96.68		260.87	1,068.84
Sinking fund and principal payments on debentures.....	346.73	212.60		953.63	2,073.33
Depreciation.....	858.00	337.00	940.00	455.00	3,447.00
Other reserves.....			50.00		
Total operating costs and fixed charges.....	9,013.24	3,965.29	13,433.21	5,532.85	130,135.62
Net surplus.....	629.98	163.68	2,119.07	648.83	6,577.72
Net loss.....					
NUMBER OF CONSUMERS					
Domestic service.....	184	94	313	116	707
Commercial light service.....	56	14	71	48	66
Power service.....	7	2	9	2	15
Total.....	247	110	393	166	788

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1939

Milton	Milverton	Mimico	Mitchell	Moorefield	Mount Brydges	Newbury
1,848	1,010	7,012	1,615	P.V.	P.V.	288
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
13,079.35	4,902.24	55,771.20	11,847.47	1,045.14	2,780.89	1,234.83
6,484.44	3,615.31	11,066.92	5,710.81	1,083.73	1,030.01	665.32
17,992.77	3,140.27	4,265.84	3,595.80	26.70	718.25	314.31
	527.25	7,174.87	752.53			
1,937.52	1,035.00	7,942.16	2,547.00	350.00	844.00	705.00
529.70			1,012.04			
697.00	141.55	1,400.25	312.98	10.10	207.04	
40,720.78	13,361.62	87,621.24	25,778.63	2,515.67	5,580.19	2,919.46
27,409.86	9,176.08	53,922.54	15,883.11	1,754.44	3,309.13	1,565.09
250.25		368.32	15.92			
1,896.84	417.26	6,698.97	654.56	21.03	102.24	139.78
50		237.27	43.99		20.68	
787.58	354.22	689.99	309.19	76.20	81.32	42.96
441.90	124.50	1,459.19	686.44		21.90	
203.16	64.70	1,344.58	374.60	32.37	33.30	77.28
			36.54			
820.96	702.39	2,296.58	940.38		253.00	70.05
1,323.70	418.47	2,144.94	1,538.22	131.42	88.42	93.68
135.19	20.49	327.31	520.07		6.37	10.75
353.91		436.34	584.90			
286.42		3,041.23			79.77	84.52
965.04		6,416.14			210.59	500.00
2,329.00	827.00	6,599.00	3,619.00	235.00	426.00	373.00
100.00		390.00				
37,304.31	12,105.11	86,372.40	25,206.92	2,250.46	4,632.72	2,957.11
3,416.47	1,256.51	1,248.84	571.71	265.21	947.47	
						37.65
518	252	1,870	489	57	143	69
110	73	152	125	31	40	21
15	9	19	23	1	3	1
643	334	2,041	637	89	186	91

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA
SYSTEM—Continued

Municipality.....	New Hamburg 1,458	New Toronto 7,140	Niagara Falls 18,928	Niagara-on- the-Lake 1,670	North York Twp.
Population.....					
	\$	\$	\$	\$	\$
EARNINGS	c.	c.	c.	c.	c.
Domestic service.....	9,562.95	37,247.85	122,155.21	13,701.77	155,939.24
Commercial light service.....	4,551.01	17,359.11	61,692.64	4,155.49	23,719.66
Commercial power service.....	5,257.00	136,985.86	64,240.68	591.53	31,684.92
Municipal power.....		11,481.92	16,479.99	1,338.94	7,237.40
Street lighting.....	2,217.00	7,495.84	27,533.38	3,483.02	4,039.93
Merchandise.....	138.92			202.03	
Miscellaneous.....	285.80		2,519.59	309.77	1,490.20
Total earnings.....	22,012.68	210,570.58	294,621.49	23,782.55	224,111.35
EXPENSES					
Power purchased.....	14,716.26	174,697.16	158,159.96	11,542.10	115,253.54
Substation operation.....	203.76		13,635.42	206.57	
Substation maintenance.....					
Distribution system, operation and maintenance.....	719.45	5,861.92	6,859.10	1,906.06	12,068.25
Line transformer maintenance.....	161.16	239.18	136.38		423.94
Meter maintenance.....	303.06	1,288.06	7,468.52	183.33	1,326.62
Consumers' premises expenses.....	122.60	63.27	190.50	286.96	2,218.42
Street lighting, operation and main- tenance.....	269.40	947.64	3,790.02	818.68	875.86
Promotion of business.....			129.67		
Billing and collecting.....	728.95	2,808.77	7,719.28	1,753.28	6,006.38
General office, salaries and expenses..	1,158.29	6,622.13	10,650.77	1,756.79	6,097.22
Undistributed expenses.....	291.20	410.31	3,980.19	109.43	4,199.98
Truck operation and maintenance....	385.69	631.87	1,301.88	173.84	3,223.56
Interest.....	116.75	112.66	11,106.61	877.22	17,584.28
Sinking fund and principal payments on debentures.....	1,062.06	407.76	33,991.26	1,319.59	21,816.95
Depreciation.....	1,593.00	6,666.00	28,233.00	2,146.00	16,405.00
Other reserves.....					
Total operating costs and fixed charges.....	21,831.63	200,756.73	287,352.56	23,079.85	207,500.00
Net surplus.....	181.05	9,813.85	7,268.93	702.70	16,611.35
Net loss.....					
NUMBER OF CONSUMERS					
Domestic service.....	368	1,745	4,633	524	4,711
Commercial light service.....	98	212	716	84	305
Power service.....	13	31	91	8	35
Total.....	479	1,988	5,440	616	5,051

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1939

Norwich 1,365	Oil Springs 514	Otterville P.V.	Palmerston 1,406	Paris 4,369	Parkhill 900	Petrolia 2,747
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
8,958.87	1,595.96	2,529.46	9,801.95	22,510.28	5,277.64	12,145.11
4,518.85	1,482.59	2,105.25	5,666.32	8,283.65	3,638.02	7,884.49
1,600.06	6,371.44	375.91	5,161.59	13,608.58	758.38	23,196.43
519.36			1,706.56	1,020.83	633.77	
2,100.00	768.00	847.38	2,628.00	5,586.49	1,577.04	2,839.00
617.36						493.52
173.78	177.02	47.27	2.95	4,085.43	119.60	442.70
18,488.28	10,395.01	5,905.27	24,967.37	55,095.26	12,004.45	47,001.25
11,876.35	7,234.32	3,956.47	15,586.57	33,396.15	7,144.82	28,545.86
			578.60	1,101.28		
			266.29			
1,811.50	384.02	307.09	421.10	4,489.13	396.43	5,065.86
	58.09	54.98	101.22	237.57		278.19
184.84	86.08	156.67	260.64	854.67	144.56	655.53
437.21	84.43	1.20	742.68	517.26	176.78	207.59
221.17	62.36	159.19	411.67	1,397.06	50.72	286.43
153.00	1.35		98.49	478.00		168.93
435.98	319.07	278.22	637.14	1,420.52	380.80	1,730.80
663.95	208.44	244.90	599.56	1,333.19	129.79	1,220.60
153.72	45.31	6.38	78.75	347.07	4.77	202.42
343.92			170.39	370.50		562.66
143.83			123.92	294.81	62.09	752.72
757.60			352.74	960.39		1,655.48
1,025.00	879.00	546.00	1,473.00	5,885.00	880.00	3,567.00
				59.65		216.13
18,208.07	9,362.47	5,711.10	21,902.76	53,142.25	9,370.76	45,116.20
280.21	1,032.54	194.17	3,064.61	1,953.01	2,633.69	1,885.05
384	93	130	392	1,165	277	760
95	33	45	103	192	80	181
9	36	3	12	24	5	68
488	162	178	507	1,381	362	1,009

STATEMENT

Detailed Operating Reports of Electrical Departments of

**NIAGARA
SYSTEM—Continued**

Municipality.....	Plattsville	Point Edward	Port Colborne	Port Credit	Port Dalhousie
Population.....	P.V.	1,177	6,503	1,901	1,590
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	2,490.26	5,842.74	30,157.84	14,810.88	15,699.86
Commercial light service.....	1,054.21	2,254.64	17,241.82	6,718.56	3,402.95
Commercial power service.....	1,128.63	30,904.93	15,823.86	3,218.64	5,358.27
Municipal power.....			6,856.53	1,077.27	
Street lighting.....	408.00	1,666.34	8,336.37	2,669.60	1,578.00
Merchandise.....		78.16	1,434.42		
Miscellaneous.....	59.80	520.00	1,116.83	403.93	750.52
Total earnings.....	5,140.90	41,266.81	80,967.67	28,898.88	26,789.60
EXPENSES					
Power purchased.....	3,651.32	36,620.05	40,901.59	20,284.17	17,735.61
Substation operation.....					
Substation maintenance.....					
Distribution system, operation and maintenance.....	9.23	256.06	3,286.30	1,360.80	2,229.73
Line transformer maintenance.....			1,059.50	167.30	2.40
Meter maintenance.....	3.50	327.29	2,324.71	142.37	448.10
Consumers' premises expenses.....		5.38	79.32	864.98	772.70
Street lighting, operation and maintenance.....	18.10	189.83	2,060.42	446.58	330.87
Promotion of business.....		61.20	46.63		53.30
Billing and collecting.....	232.88	604.78	2,170.48	982.95	920.69
General office, salaries and expenses..	18.02	987.23	3,558.21	293.06	1,301.08
Undistributed expenses.....	6.22	20.70	218.11	100.52	59.00
Truck operation and maintenance.....			910.59		362.63
Interest.....	86.47	269.53	2,829.75	332.77	391.62
Sinking fund and principal payments on debentures.....	254.20	614.62	9,274.81	717.08	513.27
Depreciation.....	333.00	1,291.00	5,354.00	1,859.00	1,156.00
Other reserves.....				154.88	150.00
Total operating costs and fixed charges.....	4,612.94	41,247.67	74,074.42	27,706.46	26,427.00
Net surplus.....	527.96	19.14	6,893.25	1,192.42	362.60
Net loss.....					
NUMBER OF CONSUMERS					
Domestic service.....	109	305	1,492	515	620
Commercial light service.....	24	44	249	93	55
Power service.....	1	10	24	8	14
Total.....	134	359	1,765	616	689

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1939

Port Dover 1,705	Port Rowan 556	Port Stanley *741	Preston 6,422	Princeton P.V.	Queenston P.V.	Richmond Hill 1,317
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
8,789.84	3,084.17	13,025.42	31,794.80	2,425.10	3,271.93	8,538.59
4,840.75	2,288.18	4,393.73	19,482.98	884.12	1,113.03	4,141.81
4,459.39	104.73	3,320.71	42,271.52	1,759.85		1,709.12
		780.15	993.00			383.90
2,712.12	867.16	2,452.30	5,523.67	468.00	312.03	1,470.00
	40.80					
112.62	70.00	418.60	644.53	67.71	32.00	8.76
20,914.72	6,455.04	24,390.91	100,710.50	5,604.78	4,728.99	16,252.18
11,465.47	2,809.40	15,499.80	72,135.47	4,162.22	2,601.83	11,310.15
			4,584.83			
2,056.44	118.18	2,578.12	2,624.36	173.44	112.28	1,168.85
193.83	9.15	17.90	185.81		26.15	
386.47	208.01	372.37	666.08	.40	6.75	127.24
68.21		215.30	33.22		91.34	238.94
428.83	80.19	215.27	400.44	91.95	22.85	298.45
60.00		322.50				
736.37	202.98	923.79	1,709.87	196.80	129.12	691.35
809.18	42.05	855.15	2,533.63	57.68	131.10	338.41
181.09	6.68	87.43	967.01		6.14	23.40
71.87		415.63	338.05			
201.41	391.38	133.07	1,426.76	58.61	142.53	66.12
1,629.46	567.65	1,100.60	4,196.61	172.32	656.03	410.01
1,704.00	432.00	1,615.00	9,973.00	304.00	435.00	697.00
19,992.63	4,867.67	24,351.93	101,775.14	5,217.42	4,361.12	15,369.92
922.09	1,587.37	38.98		387.36	367.87	882.26
			1,064.64			
632	136	697	1,526	87	77	367
119	44	100	227	20	13	68
16	3	9	46	3		13
767	183	806	1,799	110	90	448

*Winter population 741. Summer population estimated 3,500.

STATEMENT

Detailed Operating Reports of Electrical Departments of

**NIAGARA
SYSTEM—Continued**

Municipality.....	Ridgetown	Riverside	Rockwood	Rodney	St. Catharines
Population.....	1,958	5,090	P.V.	695	27,647
EARNINGS					
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	8,710.57	37,741.62	3,846.70	3,370.91	134,293.12
Commercial light service.....	7,055.04	4,590.50	1,040.49	2,644.84	66,906.72
Commercial power service.....	3,253.66	3,195.20	319.35	1,915.25	158,022.59
Municipal power.....	988.62	2,638.30			
Street lighting.....	3,534.79	3,567.74	789.75	1,285.71	26,669.12
Merchandise.....	182.88				
Miscellaneous.....	415.29	1,091.96	24.08	2.74	6,958.31
Total earnings.....	24,140.85	52,825.32	6,020.37	9,219.45	392,849.86
EXPENSES					
Power purchased.....	16,315.95	26,994.88	3,775.20	6,531.98	283,855.40
Substation operation.....					5,627.73
Substation maintenance.....					
Distribution system, operation and maintenance.....	945.66	2,048.45	129.83	295.73	13,580.80
Line transformer maintenance.....	18.05	238.66		35.65	1,722.87
Meter maintenance.....	604.49	563.19	87.68	286.91	5,625.67
Consumers' premises expenses.....	498.08	635.23	30.00		2,757.62
Street lighting, operation and main- tenance.....	801.01	604.99	55.40	208.58	2,800.92
Promotion of business.....		231.00			1,006.99
Billing and collecting.....	1,099.99	2,183.75		325.44	12,151.36
General office, salaries and expenses..	916.36	3,336.49	564.06	402.96	9,594.91
Undistributed expenses.....	93.78	440.41		24.92	4,871.81
Truck operation and maintenance.....		518.24			1,111.43
Interest.....	290.68	1,606.98	96.02		7,909.90
Sinking fund and principal payments on debentures.....	507.35	5,333.74	106.38		5,568.29
Depreciation.....	1,673.00	4,565.00	547.00	542.00	22,015.00
Other reserves.....				79.31	2,000.00
Total operating costs and fixed charges.....	23,764.40	49,301.01	5,391.57	8,733.48	382,200.70
Net surplus.....	376.45	3,524.31	628.80	485.97	10,649.16
Net loss.....					
NUMBER OF CONSUMERS					
Domestic service.....	568	1,342	162	244	6,996
Commercial light service.....	142	55	34	79	866
Power service.....	20	8	2	6	160
Total.....	730	1,405	198	329	8,022

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1939

St. Clair Beach 108	St. George P.V.	St. Jacobs P.V.	St. Marys 4,033	St. Thomas 16,352	Sarnia 18,269	Scarboro Twp.
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
2,172.80	3,168.32	3,943.63	27,377.56	120,555.72	92,171.80	112,683.60
2,357.41	1,525.11	1,642.93	10,777.40	53,457.20	49,454.90	23,451.65
304.54	2,438.87	4,745.55	19,206.52	53,289.37	143,827.36	11,167.91
.....	.....	.....	3,451.02	5,355.74	4,892.92	13,323.05
.....	427.91	430.00	4,890.50	14,905.92	20,424.23	15,713.43
.....	.....	.....	.....	.....	419.44	.....
132.00	148.84	185.49	721.07	3,837.78	9,674.54	.....
4,966.75	7,709.05	10,947.60	66,424.07	251,401.73	320,865.19	176,339.64
3,053.84	4,738.38	8,454.03	41,254.47	178,331.48	224,045.86	90,307.73
.....	.....	.....	1,665.50	7,827.36	9,078.48	.....
.....	.....	.....	696.50	1,315.19	157.29	.....
312.50	204.14	90.09	3,991.62	7,235.83	8,091.54	6,147.44
8.10	68.57	23.85	73.66	445.95	416.72	1,494.55
65.65	167.15	36.08	2,058.87	3,048.23	4,719.65	2,077.12
111.10	.....	88.46	1,230.40	7,115.28	2,348.49	2,044.00
.....	148.06	50.10	1,081.92	3,283.48	7,075.23	1,682.24
.....	.....	.....	625.23	2,713.81	4,714.65	.....
217.56	464.07	439.62	1,254.22	5,159.31	8,660.58	6,025.21
130.12	107.04	159.04	2,239.64	9,686.66	12,282.92	4,629.94
.....	12.68	2.56	535.37	4,703.94	5,739.33	1,600.47
.....	.....	.....	785.85	1,493.80	1,392.36	1,424.71
112.71	113.90	.....	1,571.51	79.31	2,365.37	6,187.12
500.84	298.93	.....	2,865.99	.....	16,325.38	17,048.90
410.00	401.00	435.00	5,552.00	16,587.00	21,486.00	14,083.00
.....	.....	.....	200.00	.....	.....	.....
4,922.42	6,723.92	9,778.83	67,682.75	249,026.63	328,899.85	154,752.43
44.33	985.13	1,168.77	.....	2,375.10	.....	21,587.21
.....	.....	.....	1,258.68	.....	8,034.66	.....
73	150	132	1,025	4,310	4,732	5,029
8	35	31	170	627	666	353
1	2	7	40	81	81	33
82	187	170	1,235	5,018	5,479	5,415

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA
SYSTEM—Continued

Municipality.....	Seaforth	Simcoe	Springfield	Stamford Twp.	Stouffville
Population.....	1,705	6,052	P.V.		1,160
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	10,255.34	25,954.71	1,828.88	57,418.11	7,132.99
Commercial light service.....	6,475.62	30,085.80	842.15	10,947.73	3,517.58
Commercial power service.....	3,580.39	26,467.82	830.35	13,025.76	962.95
Municipal power.....	583.38	2,201.89		1,342.41	
Street lighting.....	2,107.50	4,986.96	611.50	7,857.75	1,524.00
Merchandise.....	137.80			1,313.51	
Miscellaneous.....	42.77	2,629.03	55.75	1,357.97	408.80
Total earnings.....	23,182.80	92,326.21	4,168.63	93,263.24	13,546.32
EXPENSES					
Power purchased.....	15,187.99	54,313.12	2,423.72	39,413.11	8,185.95
Substation operation.....	87.51	1,036.29			
Substation maintenance.....				1,586.28	
Distribution system, operation and maintenance.....	1,195.99	5,343.96	47.82	6,344.72	648.72
Line transformer maintenance.....	43.84	341.08		63.72	
Meter maintenance.....	433.63	1,945.97	68.89	1,863.73	27.98
Consumers' premises expenses.....	387.61	357.72		2,125.50	94.29
Street lighting, operation and main- tenance.....	355.76	931.61	18.75	1,307.75	158.44
Promotion of business.....	238.43	726.04		699.35	
Billing and collecting.....	979.06	2,071.90	386.89	2,223.88	552.82
General office, salaries and expenses..	1,071.54	2,860.46	53.23	4,641.40	244.65
Undistributed expenses.....	188.82	244.17		1,025.88	
Truck operation and maintenance...	274.61	909.44		1,572.52	
Interest.....		1,953.89	143.98	5,593.10	14.54
Sinking fund and principal payments on debentures.....		4,008.02	232.58	12,092.02	264.41
Depreciation.....	2,297.00	4,715.00	390.00	7,670.00	676.00
Other reserves.....		5,000.00			
Total operating costs and fixed charges.....	22,741.79	86,758.67	3,765.86	88,222.96	10,867.80
Net surplus.....	441.01	5,567.54	402.77	5,040.28	2,678.52
Net loss.....					
NUMBER OF CONSUMERS					
Domestic service.....	473	1,526	108	1,895	386
Commercial light service.....	118	375	35	155	84
Power service.....	14	41	3	17	5
Total.....	605	1,942	146	2,067	475

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1939

Stratford 17,159	Strathroy 2,917	Streetsville 700	Sutton 852	Swansea 5,831	Tavistock 1,063	Tecumseh 2,237	Thames- ford P.V.
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
130,293.56	20,285.22	4,655.51	8,400.59	71,445.82	7,458.62	12,646.47	3,138.98
55,393.78	12,142.22	1,527.14	4,264.66	7,662.27	3,283.77	4,367.60	1,812.19
51,087.89	9,661.05	3,015.07	946.38	13,672.28	8,544.49	1,893.55	1,866.41
8,839.63	1,893.88			2,410.56	381.01		
16,887.79	4,078.79	1,005.50	2,148.85	3,750.20	1,317.60	1,299.00	528.00
189.19	75.39						
9,341.86	1,613.76	600.69	1.33	877.36	171.36	335.96	432.01
272,033.70	49,750.31	10,803.91	15,761.81	99,818.49	21,156.85	20,542.58	7,777.59
177,429.98	33,024.62	4,094.75	9,187.55	65,745.34	16,595.57	9,424.37	6,142.05
4,471.60	568.45	1,112.25					
1,859.32							
5,208.55	1,749.56	757.86	324.16	1,834.13	978.71	1,168.45	302.11
736.53	219.21	25.00		221.37		174.01	40.00
2,471.04	626.67	61.40	55.94	677.09	64.45	634.67	27.14
3,090.47	1,085.71		200.25	1,494.85	281.94	217.00	65.25
3,264.82	947.05	391.94	99.06	344.66	173.13	319.10	62.86
2,133.31	692.55	163.99		7.75			40.00
6,124.06	1,001.78	768.22	546.90	3,069.02	615.45	1,134.82	270.41
8,952.00	2,958.24	452.45	237.16	2,718.23	362.79	1,156.41	110.46
2,762.18	579.07	33.48	90.18	354.98	31.42	34.15	
2,066.37	1,001.70		327.34	808.55		536.17	
17,775.00	1,353.05	608.75	459.94	3,720.42	126.14	431.16	59.27
8,338.99	1,971.93	514.64	1,856.75	4,133.43	264.17	1,930.65	154.01
24,975.00	4,047.00	724.00	1,092.00	4,839.00	1,113.00	1,768.00	526.00
300.00		25.00		200.00			
271,959.22	51,826.59	9,733.73	14,477.23	90,168.82	20,606.77	18,928.96	7,759.56
74.48		1,070.18	1,284.58	9,649.67	550.08	1,613.62	18.03
	2,076.28						
4,295	830	188	434	1,855	292	579	134
602	180	43	84	84	91	53	44
116	29	4	3	13	8	3	7
5,013	1,039	235	521	1,952	391	635	185

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA SYSTEM—Continued

Municipality.....	Thames- ville 833	Thedford 595	Thorndale P.V.	Thorold 5,001	Tilbury 1,980
Population.....					
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	3,651.80	3,148.65	1,734.04	19,030.70	6,518.04
Commercial light service.....	3,118.06	2,131.15	849.72	7,517.17	7,687.30
Commercial power service.....	1,440.40	1,007.32	1,091.51	38,142.34	8,058.45
Municipal power.....	215.27			1,790.45	225.00
Street lighting.....	1,367.98	1,050.00	384.00	3,488.42	1,809.89
Merchandise.....					21
Miscellaneous.....	277.55	125.47	33.37	1,366.16	644.76
Total earnings.....	10,071.06	7,462.59	4,092.64	71,335.24	24,943.65
EXPENSES					
Power purchased.....	6,970.11	4,139.70	2,338.84	46,977.71	16,660.43
Substation operation.....				3,193.24	
Substation maintenance.....					
Distribution system, operation and maintenance.....	565.92	182.03	46.28	1,501.42	1,212.28
Line transformer maintenance.....	22.04			269.53	11.75
Meter maintenance.....	381.06	33.50		569.56	468.19
Consumers' premises expenses.....	51.10			266.67	
Street lighting, operation and main- tenance.....	266.90	99.65	32.10	685.37	193.10
Promotion of business.....	15.00				46.60
Billing and collecting.....	287.02	237.40	77.58	1,525.32	593.17
General office, salaries and expenses..	310.41	85.61	27.58	1,459.72	1,130.90
Undistributed expenses.....	38.79	5.97		118.61	169.06
Truck operation and maintenance.....				398.32	204.62
Interest.....		230.71	45.95		215.34
Sinking fund and principal payments on debentures.....		1,207.84	116.68		512.14
Depreciation.....	862.00	487.00	299.00	3,349.00	1,349.00
Other reserves.....	41.05				
Total operating costs and fixed charges.....	9,811.40	6,709.41	2,984.01	60,314.47	22,766.58
Net surplus.....	259.66	753.18	1,108.63	11,020.77	2,177.07
Net Loss.....					
NUMBER OF CONSUMERS					
Domestic service.....	236	150	71	1,169	457
Commercial light service.....	81	51	23	162	131
Power service.....	7	3	2	17	12
Total.....	324	204	96	1,348	600

*As in the case of other municipalities listed in Statements "A" and "B", the figures for Toronto give effect to the annual adjustment of the cost of power for the year ended October 31, 1939.

In the case of Toronto this adjustment is a credit balance of \$56,605.16. In the reports

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1939

Tillsonburg 3,945	Toronto 647,803	Toronto Twp.	Trafalgar Twp. Area No. 1	Trafalgar Twp. Area No. 2	Wallaceburg 4,715	Wardsville 236
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
18,775.86	4,450,367.25	68,504.83	14,522.60	5,499.47	19,231.93	1,373.34
17,545.74	3,000,452.32	21,459.14	856.85	.....	12,712.65	1,105.23
9,804.01	3,853,275.52	10,447.18	623.67	.....	56,048.93	43.26
1,609.95	1,204,547.26	.....	.....	.....	1,597.32	.....
5,064.66	509,960.02	4,922.88	†2,205.84	.....	4,634.67	720.00
1,208.34	.....	.....	.....	.....	826.09	.....
608.43	291,699.17	1,215.70	370.38	212.32	1,503.56	50.00
54,616.99	13,310,301.54	106,549.73	18,579.34	5,711.79	96,555.15	3,291.83
34,857.87	*7,022,047.39	65,708.69	10,990.54	3,624.29	70,020.95	1,706.34
1,095.89	198,006.70	.....	.....	.....	317.80	.....
.....	295,694.56	.....	.....	.....	.....	.....
2,730.69	331,207.50	5,542.39	2,284.24	140.76	2,903.03	116.33
136.78	38,979.38	352.21	.....	.....	345.74	.....
88.24	120,931.71	1,150.77	24.70	57.15	817.06	20.15
111.61	234,965.95	1,750.40	.....	.....	11.75	38.97
971.28	116,034.98	934.98	.....	.....	624.47	56.36
327.54	163,894.10	.....	.....	.....	55.75	.....
1,475.90	424,865.79	4,514.63	.....	.....	3,028.03	127.67
3,316.04	345,844.37	5,320.95	1,483.83	649.66	2,991.46	58.17
167.46	†242,967.69	266.72	92.14	.....	985.53	15.80
560.06	.....	1,730.37	529.15	.....	589.16	.....
593.72	1,057,160.73	1,928.48	393.07	520.38	1,631.87	112.50
1,344.94	1,389,612.21	6,004.86	1,280.52	.....	3,845.77	585.61
4,147.00	1,013,043.98	11,258.00	1,435.00	432.00	5,947.00	314.00
.....	.....	500.00	.....	.....	.....	25.22
51,925.02	12,995,257.04	106,963.45	18,513.19	5,424.24	94,115.37	3,177.12
2,691.97	315,044.50	.....	66.15	287.55	2,439.78	114.71
.....	.....	413.72	.....	.....	.....	.....
1,170	165,660	2,397	362	158	1,132	56
261	25,397	206	4	.....	251	26
35	5,058	39	8	.....	38	1
1,466	196,115	2,642	374	158	1,421	83

issued by the Toronto Hydro-Electric System, such adjustment will be made in the subsequent year in accordance with The Hydro-Electric Power Commission's general authorization dated January 25, 1940.

†Includes \$97,000.00 provision for possible York Twp. profit. ‡Highway lighting.

STATEMENT

Detailed Operating Reports of Electrical Departments of

**NIAGARA
SYSTEM—Continued**

Municipality.....	Water- down 904	Waterford	Waterloo	Watford	Welland
Population.....	904	1,216	8,524	964	11,072
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	4,942.40	6,038.51	59,606.94	6,890.76	54,828.34
Commercial light service.....	1,780.99	2,734.28	25,685.59	3,155.54	32,956.71
Commercial power service.....	1,191.35	5,144.81	33,269.61	3,113.49	98,498.10
Municipal power.....	86.84	264.95	3,734.65	287.64	1,654.57
Street lighting.....	936.00	1,488.00	7,779.70	1,626.16	11,323.13
Merchandise.....			383.71	58.56	
Miscellaneous.....	71.95	263.19	2,027.63	433.01	5,914.58
Total earnings.....	9,009.53	15,933.74	132,487.83	15,565.16	205,175.43
EXPENSES					
Power purchased.....	5,903.36	10,871.27	95,937.82	10,385.46	109,489.77
Substation operation.....			2,200.00		6,050.86
Substation maintenance.....			557.56		101.62
Distribution system, operation and maintenance.....	307.14	1,107.86	5,272.21	1,159.26	5,250.00
Line transformer maintenance.....		72.20	14.94		650.68
Meter maintenance.....	191.05	291.81	1,348.49	86.53	2,931.35
Consumers' premises expenses.....		187.06	2,014.12	454.45	1,310.60
Street lighting, operation and main- tenance.....	198.56	238.02	1,900.25	50.98	1,772.51
Promotion of business.....			110.00		1,585.36
Billing and collecting.....	522.88	549.76	3,353.63	536.26	4,004.75
General office, salaries and expenses..	184.94	464.46	2,739.68	748.29	8,651.36
Undistributed expenses.....	29.15	100.97	276.06	41.34	489.36
Truck operation and maintenance.....			621.97	136.36	1,597.62
Interest.....			1,407.45		9,738.93
Sinking fund and principal payments on debentures.....			5,543.61		8,718.37
Depreciation.....	949.00	1,205.00	10,836.00	1,012.00	15,216.53
Other reserves.....			136.17	65.80	1,000.00
Total operating costs and fixed charges.....	8,286.08	15,088.41	134,269.96	14,676.73	178,559.67
Net surplus.....	723.45	845.33		888.43	26,615.76
Net loss.....			1,782.13		
NUMBER OF CONSUMERS					
Domestic service.....	243	368	2,036	286	2,546
Commercial light service.....	38	79	260	79	486
Power service.....	7	12	71	5	84
Total.....	288	459	2,367	370	3,116

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1939

Wellesley P.V.	West Lorne 837	Weston 5,099	Wheatley 760	Windsor 103,813	Woodbridge 830	Woodstock 11,418
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
2,371.01	3,074.88	47,014.71	4,076.09	694,025.14	6,869.14	72,433.51
1,546.83	1,985.14	11,041.59	3,386.36	352,996.44	2,216.57	42,872.56
1,207.13	1,604.92	43,905.58	2,231.24	509,851.66	6,887.11	77,281.46
.....	.....	426.68	435.08	20,101.36	614.82	2,955.07
660.00	1,060.02	7,303.26	1,496.12	103,365.38	1,114.99	8,500.73
.....
40.20	18.18	693.25	222.00	985.71	35.39	4,125.10
.....
5,825.17	7,743.14	110,385.07	11,846.89	1,681,325.69	17,738.02	208,168.43
.....
3,689.48	4,431.34	84,180.94	6,440.46	927,554.44	12,910.78	158,085.59
.....	.....	455.72	.....	34,498.20	.....	2,749.76
.....	.....	.....	.....	15,112.73	.....	124.02
.....
107.66	203.73	4,432.27	792.08	40,222.32	172.24	4,603.07
.....	.....	160.07	.....	8,390.46	.....	.....
27.50	148.37	837.49	216.92	27,251.01	20.70	3,011.83
.....	62.04	1,995.64	62.38	56,935.09	134.88	1,888.55
.....
55.07	169.13	1,164.89	479.44	37,662.83	102.86	2,545.66
2.50	.....	.....	59.12	31,660.36	.....	2,484.42
253.20	552.09	968.64	487.86	54,270.68	.....	3,777.88
228.31	152.07	3,073.88	138.97	43,418.04	729.49	6,150.39
10.21	2.40	410.44	59.22	20,659.58	.....	1,953.25
.....	.....	434.09	.....	.....	.....	702.80
.....	.....	1,382.45	255.45	35,841.48	279.57	859.73
.....
.....	.....	4,133.08	832.34	134,984.70	402.03	342.45
.....
398.00	774.00	6,249.00	759.00	121,132.00	1,000.00	15,692.00
.....	33.32	.....	48.46	.....	.....	.....
.....
4,771.93	6,528.49	109,878.60	10,631.70	1,589,593.92	15,752.55	204,971.40
.....
1,053.24	1,214.65	506.47	1,215.19	91,731.77	1,985.47	3,197.03
.....
.....
.....
128	214	1,365	228	23,557	289	3,179
49	48	179	71	3,165	51	482
4	5	29	5	450	7	95
.....
181	267	1,573	304	27,172	347	3,756

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA
SYSTEM—Concluded

Municipality.....	Wyoming	*York Twp.	Zurich	NIAGARA SYSTEM SUMMARY
Population.....	516		P.V.	
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	2,403.29	487,307.56	3,126.35	10,341,906.07
Commercial light service.....	1,486.50	76,318.86	2,664.64	5,637,619.34
Commercial power service.....	351.32	100,080.73		9,068,785.10
Municipal power.....		7,127.16		1,590,100.13
Street lighting.....	780.00	44,793.74	693.00	1,408,246.16
Merchandise.....				16,694.49
Miscellaneous.....	18.44	18,709.48	130.00	495,375.34
Total earnings.....	5,039.55	734,337.53	6,613.99	28,558,726.63
EXPENSES				
Power purchased.....	2,905.16		4,212.09	17,216,244.76
Substation operation.....				419,332.13
Substation maintenance.....				359,065.73
Distribution system, operation and maintenance.....	104.70		106.32	736,371.37
Line transformer maintenance.....				79,031.49
Meter maintenance.....	169.10	†605,580.85	84.94	306,364.10
Consumers' premises expenses.....				448,685.69
Street lighting, operation and main- tenance.....	159.94		61.49	282,230.92
Promotion of business.....				291,051.36
Billing and collecting.....	239.98		221.07	815,728.96
General office, salaries and expenses..	84.95		107.65	761,630.58
Undistributed expenses.....	9.74		13.22	390,363.23
Truck operation and maintenance.....				56,695.47
Interest.....		12,519.09	149.13	1,448,451.39
Sinking fund and principal payments on debentures.....		25,247.55	240.87	2,244,851.41
Depreciation.....	457.00	24,671.00	489.00	2,024,001.22
Other reserves.....				17,163.30
Total operating costs and fixed charges.....	4,130.57	668,018.49	5,685.78	27,897,263.11
Net surplus.....	908.98	66,319.04	928.21	661,463.52
Net loss.....				
NUMBER OF CONSUMERS				
Domestic service.....	147	19,289	135	404,729
Commercial light service.....	48	1,097	46	59,050
Power service.....	3	150		10,620
Total.....	198	20,536	181	474,399

*For year 1938. Included in Toronto figures. Not added in Summary.

†Toronto Operating Costs.

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1939

GEORGIAN BAY
SYSTEM

Alliston	Arthur	Barrie	Beaverton	Beeton	Bradford	Brechin
1,405	1,017	8,310	955	571	989	P.V.
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
9,905.36	5,353.71	62,664.44	6,069.35	3,522.56	6,216.75	1,247.35
6,896.12	4,856.10	40,292.89	2,692.69	2,056.38	3,985.33	1,021.65
2,446.04	610.97	17,968.70	1,350.84	995.95	2,246.29	821.96
699.54	519.70	1,046.34			298.34	
1,977.50	1,462.50	6,002.10	1,297.82	1,264.00	1,072.00	476.50
		51.85				
33.12		829.11	907.45	34.50	53.62	
21,957.68	12,802.98	128,855.43	12,318.15	7,873.39	13,872.33	3,567.46
13,839.95	9,681.34	108,135.73	8,708.21	5,229.99	8,768.71	2,285.45
		825.24				
		64.05				
621.94	661.43	5,533.61	305.42	241.77	353.09	232.52
		1,047.01				
42.20	35.00	878.86	25.03		73.00	
453.78		169.94	111.03		7.57	
413.53	110.58	720.55	300.10	116.91	173.01	161.22
		2,024.37				
789.24		4,920.09	595.66	131.32	503.62	
447.51	438.93	2,651.30	434.46	134.82	229.95	197.31
38.76	20.25	358.00	8.12		51.01	
		655.42				
1,136.85	769.55	1,087.54	170.83	378.49	815.43	180.47
2,011.12	1,016.31	1,744.00	709.70	599.04	1,195.11	134.70
1,603.00	1,155.00	8,777.00	1,376.00	724.00	1,081.00	180.00
28.06		2,152.31		17.60	75.00	25.00
21,425.94	13,888.39	141,745.02	12,744.56	7,573.94	13,326.50	3,396.67
531.74				299.45	545.83	170.79
	1,085.41	12,889.59	426.41			
370	214	2,152	328	133	243	33
109	87	422	67	34	68	22
14	6	50	9	4	8	4
493	307	2,624	404	171	319	59

STATEMENT

Detailed Operating Reports of Electrical Departments of

GEORGIAN BAY SYSTEM—Continued					
Municipality.....	Canning- ton 756	Chats- worth 337	Chesley 1,743	Coldwater 612	Colling- wood 5,322
Population.....					
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	5,321.50	1,868.85	8,790.72	3,550.73	27,523.92
Commercial light service.....	2,272.92	1,415.79	5,411.68	1,528.54	13,284.43
Commercial power service.....	512.08		6,102.33	5,997.63	13,393.18
Municipal power.....			620.20		1,520.87
Street lighting.....	1,144.69	533.00	1,377.10	873.00	3,808.03
Merchandise.....			180.49		
Miscellaneous.....	156.52	35.88	177.19	180.00	1,043.57
Total earnings.....	9,407.71	3,853.52	22,659.71	12,129.90	60,574.00
EXPENSES					
Power purchased.....	6,408.26	2,718.15	18,992.10	9,245.53	48,070.82
Substation operation.....					477.83
Substation maintenance.....					
Distribution system, operation and maintenance.....	654.85	118.01	555.10	476.07	1,729.15
Line transformer maintenance.....		86.93	52.59		382.35
Meter maintenance.....	205.55	10.99	204.68	127.90	1,220.02
Consumers' premises expenses.....	210.12		21.37	103.42	138.95
Street lighting, operation and main- tenance.....	164.66	46.39	163.22	224.33	717.80
Promotion of business.....					
Billing and collecting.....	580.67		606.76	390.74	2,078.90
General office, salaries and expenses..	199.81	321.59	768.82	173.93	1,015.87
Undistributed expenses.....		5.00	24.05		209.70
Truck operation and maintenance.....			15.50		393.83
Interest.....	241.71	8.07	5.15	123.09	
Sinking fund and principal payments on debentures.....	845.51	113.99		368.53	
Depreciation.....	866.00	317.00	1,713.00	694.00	4,724.00
Other reserves.....				30.00	250.00
Total operating costs and fixed charges.....	10,377.14	3,746.12	23,122.34	11,957.54	61,409.22
Net surplus.....		107.40		172.36	
Net loss.....	969.43		462.63		835.22
NUMBER OF CONSUMERS					
Domestic service.....	250	87	432	160	1,382
Commercial light service.....	67	35	102	49	191
Power service.....	10		21	3	54
Total.....	327	122	555	212	1,627

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1939

Cookstown P.V.	Creemore 615	Dundalk 700	Durham 1,864	Elmvale P.V.	Elmwood P.V.	Flesherton 455
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
2,254.81	2,910.21	3,176.45	6,979.40	3,641.26	1,245.14	2,561.14
1,485.00	1,987.61	2,860.62	5,121.51	1,738.24	670.34	1,925.25
861.74	1,012.35	2,861.53	3,307.79	2,449.30	1,095.54	544.91
.....	.....	.....	642.17	140.28	.....	.....
855.00	744.00	1,230.00	1,616.00	790.50	442.58	626.60
134.13	90.00	135.00	383.52	145.70	100.64	123.95
5,590.68	6,744.17	10,263.60	18,050.39	8,905.28	3,554.24	5,781.85
3,239.27	5,344.98	7,919.39	12,623.87	6,249.84	2,353.16	2,930.18
183.38	194.82	630.56	929.02	506.74	51.64	135.19
66.42	.....	20.60	3.75	99.26	.....	45.15
.....	.....	38.37	87.47	117.40	.....	7.46
60.60	123.06	302.71	271.40	159.75	21.40	65.42
245.46	233.62	.....	8.23	260.61	.....	.....
67.37	46.31	916.75	713.13	220.77	199.88	457.12
6.27	.....	.....	782.02	.....	.....	.....
.....	.....	.....	66.41	.....	.....	.....
314.74	2.45	.....	223.97	80.73	.....	320.30
412.74	.....	.....	.....	374.63	.....	347.38
612.00	508.00	564.00	1,393.00	813.00	307.00	436.00
5,208.25	6,453.24	10,392.38	17,174.48	8,882.73	2,933.08	4,744.20
382.43	290.93	.....	875.91	22.55	621.16	1,037.65
.....	.....	128.78	.....	.....	.....	.....
105	161	194	448	174	65	137
32	60	73	106	50	23	51
3	4	6	14	8	1	2
140	225	273	568	232	89	190

STATEMENT

Detailed Operating Reports of Electrical Departments of

GEORGIAN BAY
SYSTEM—Continued

Municipality.....	Grand Valley 605	Gravenhurst	Hanover	Holstein	Huntsville
Population.....		2,135	3,215	P.V.	2,770
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	3,433.97	9,999.56	19,974.65	956.80	13,158.64
Commercial light service.....	2,162.78	8,082.09	8,233.93	642.09	10,519.68
Commercial power service.....	1,439.01	11,202.97	18,750.35	134.12	12,785.12
Municipal power.....		649.13	288.01		1,400.00
Street lighting.....	920.00	2,092.98	2,628.96	375.00	2,780.00
Merchandise.....		519.47	1.22		
Miscellaneous.....	198.78	211.62	1,618.43	67.50	708.26
Total earnings.....	8,154.54	32,757.82	51,495.55	2,175.51	41,351.70
EXPENSES					
Power purchased.....	7,091.62	24,507.47	34,940.80	1,262.51	33,331.59
Substation operation.....					
Substation maintenance.....					
Distribution system, operation and maintenance.....	290.39	2,654.54	2,054.73	68.10	2,286.11
Line transformer maintenance.....		222.03	50.05		
Meter maintenance.....	9.17	482.33	304.45	22.65	318.42
Consumers' premises expenses.....		524.73	139.10		273.21
Street lighting, operation and main- tenance.....	177.64	514.58	188.84	17.96	550.20
Promotion of business.....					426.72
Billing and collecting.....		1,152.36	1,545.84		1,148.77
General office, salaries and expenses..	700.85	292.20	997.63	188.50	1,550.79
Undistributed expenses.....		715.58	424.92		441.95
Truck operation and maintenance.....		341.57	94.85		199.43
Interest.....		293.19	621.29		32.70
Sinking fund and principal payments on debentures.....			2,333.22		235.40
Depreciation.....	676.00	2,599.00	4,101.00	144.00	1,578.00
Other reserves.....		150.00			842.48
Total operating costs and fixed charges.....	8,945.67	34,449.58	47,796.72	1,703.72	43,215.77
Net surplus.....			3,698.83	471.79	
Net loss.....	791.13	1,691.76			1,864.07
NUMBER OF CONSUMERS					
Domestic service.....	175	555	773	50	659
Commercial light service.....	54	131	137	22	146
Power service.....	4	14	23	1	13
Total.....	233	700	933	73	818

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1939

Kincardine 2,464	Kirkfield P.V.	Lucknow 1,034	Markdale 781	Meaford 2,811	Midland 6,669	Mildmay 754
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
15,935.33	956.03	6,364.73	3,787.61	13,470.10	37,212.45	3,410.06
9,025.96	1,100.47	3,919.42	2,776.21	7,945.83	17,381.86	2,206.89
10,496.80		4,198.45	1,034.69	4,970.02	46,107.08	928.97
1,427.42		453.80	66.73	1,052.30	2,778.36	
4,297.00	480.00	1,610.00	920.00	3,040.92	6,376.00	699.04
		110.60	165.78	803.26	2,244.64	139.28
41,182.51	2,536.50	16,657.00	8,751.02	31,282.43	112,100.39	7,384.24
27,121.77	1,506.43	11,125.53	6,555.63	20,959.22	91,563.76	4,769.74
353.00					2,043.12	
					379.86	
1,899.20	169.21	137.74	370.54	2,199.82	4,586.89	141.67
		126.50	43.65	53.41	21.55	
113.51		89.30	63.55	173.27	1,025.15	139.45
224.41			74.98	48.59	338.28	149.38
460.70	75.20	124.89	62.92	544.19	756.18	91.39
10.49					1,479.97	
690.99				670.92	2,396.16	
916.14	134.37	1,078.08	541.54	813.77	1,687.43	408.75
142.71		64.92		183.21	1,160.02	
187.92				164.96	389.36	
682.04	44.58	305.24	219.00	1,222.66		497.68
4,454.71	493.46	1,346.07	434.84	4,161.69		547.10
2,716.00	260.00	943.00	722.00	1,686.00	11,937.00	283.00
177.29	25.00					
40,150.88	2,708.25	15,341.27	9,088.65	32,881.71	119,764.73	7,028.16
1,031.63		1,315.73				356.08
	171.75		337.63	1,599.28	7,664.34	
672	30	247	220	686	1,540	169
119	20	80	81	143	205	50
17		6	11	18	50	3
808	50	333	312	847	1,795	222

STATEMENT

Detailed Operating Reports of Electrical Departments of

GEORGIAN BAY
SYSTEM—Continued

Municipality.....	Mount Forest 1,840	Neustadt 455	Orangeville 2,660	Owen Sound 13,411	Paisley 729
Population.....					
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	8,967.74	2,104.67	15,420.02	61,028.31	4,090.42
Commercial light service.....	7,481.45	1,069.82	10,416.16	41,539.35	2,738.15
Commercial power service.....	4,562.77	405.24	5,268.55	43,974.55	768.44
Municipal power.....	908.75		1,110.34	408.46	
Street lighting.....	2,171.25	780.00	2,793.30	11,784.50	1,170.00
Merchandise.....			105.94	1,223.46	
Miscellaneous.....	202.07	126.48	434.05	1,331.87	148.43
Total earnings.....	24,294.03	4,486.21	35,548.36	161,290.50	8,915.44
EXPENSES					
Power purchased.....	21,178.37	1,658.47	26,970.14	130,938.78	5,860.94
Substation operation.....					
Substation maintenance.....				3,896.42	
Distribution system, operation and maintenance.....	737.44	180.50	1,298.53	5,323.06	460.88
Line transformer maintenance.....			36.28	1,491.20	
Meter maintenance.....	162.15		234.25	1,796.02	92.20
Consumers' premises expenses.....			399.89	29.33	
Street lighting, operation and main- tenance.....	286.32	61.83	506.66	1,805.37	76.71
Promotion of business.....				711.22	
Billing and collecting.....	755.92		923.27	5,555.09	
General office, salaries and expenses..	119.34	288.91	678.36	5,716.90	495.06
Undistributed expenses.....	40.78		67.73	2,127.77	
Truck operation and maintenance.....	145.17			1,015.54	
Interest.....	430.01	59.89	165.62		315.01
Sinking fund and principal payments on debentures.....	875.23	465.55	93.79		1,024.41
Depreciation.....	1,592.00	714.00	2,397.00	8,458.00	633.00
Other reserves.....				730.22	
Total operating costs and fixed charges.....	26,322.73	3,429.15	33,771.52	169,594.92	8,958.21
Net surplus.....		1,057.06	1,776.84		
Net loss.....	2,028.70			8,304.42	42.77
NUMBER OF CONSUMERS					
Domestic service.....	489	98	745	3,373	202
Commercial light service.....	156	29	119	578	51
Power service.....	14	1	23	99	4
Total.....	659	128	887	4,050	257

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1939

Penetan- guishene 4,094	Port Elgin 1,321	Port McNicoll 905	Port Perry 1,128	Priceville P.V.	Ripley 442	Rosseau 305
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
12,037.33	9,523.92	4,103.29	7,447.92	792.02	3,242.20	2,776.97
6,703.71	5,908.92	662.63	3,269.46	315.88	1,710.68	1,035.80
16,178.45	2,579.67	43.09	2,287.01	79.81	1,306.71	.....
2,392.57	764.30	.....	315.86	.....	.....	.....
2,291.00	2,732.72	938.00	1,665.00	480.00	1,073.14	1,410.00
95.61	312.14	.....	499.18	1.11	.....	19.45
39,698.67	21,821.67	5,747.01	15,484.43	1,668.82	7,332.73	5,242.22
27,767.72	15,564.86	3,233.46	12,041.84	506.15	4,533.24	3,112.57
479.91	.....	.....	.....	.....	.....	.....
2,547.68	935.25	469.26	818.86	197.82	106.54	291.41
306.81	118.11	.....	.....	.....	16.81	.....
729.06	137.73	158.05	241.40	.....	91.40	72.80
659.27	233.62	.....	.....	.....	.....	.....
275.72	286.27	148.82	202.83	23.31	63.51	50.96
1,181.61	652.26	461.98	770.79	.....	.....	221.14
891.37	256.83	258.37	379.99	81.69	466.55	122.87
168.21	41.10	50.00	.....	.....	15.11	.....
290.62	152.87	.....	.....	.....	.....	.....
301.35	1,493.53	35.93	668.86	57.53	481.89	660.89
2,192.84	1,876.67	172.80	1,060.35	465.57	541.57	472.93
3,524.00	1,140.00	482.00	1,043.00	231.00	543.00	295.00
.....
41,316.17	22,889.10	5,470.67	17,227.92	1,563.07	6,859.62	5,300.57
.....	.....	276.34	.....	105.75	473.11	.....
1,617.50	1,067.43	.....	1,743.49	.....	.....	58.35
.....
662	448	220	340	36	120	62
107	113	20	81	10	49	22
24	6	1	12	1	1	.....
793	567	241	433	47	170	84

STATEMENT

Detailed Operating Reports of Electrical Departments of

GEORGIAN BAY
SYSTEM—Continued

Municipality.....	Shelburne	South- ampton	Stayner	Sunderland	Tara
Population.....	1,043	1,441	1,043	P.V.	474
EARNINGS					
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	5,633.39	10,079.86	4,811.51	2,712.02	3,185.14
Commercial light service.....	3,735.63	4,026.04	3,463.29	1,694.57	1,710.52
Commercial power service.....	2,170.69	2,393.77	1,907.19	259.10	1,343.70
Municipal power.....	227.62	1,117.60			
Street lighting.....	875.25	2,456.68	1,130.00	720.00	1,168.00
Merchandise.....					
Miscellaneous.....	340.00	14.21	174.10	14.70	.69
Total earnings.....	12,982.58	20,088.16	11,486.09	5,400.39	7,408.05
EXPENSES					
Power purchased.....	10,003.61	12,121.23	9,112.86	3,785.94	4,259.67
Substation operation.....					
Substation maintenance.....					
Distribution system, operation and maintenance.....	575.14	1,242.38	686.02	285.71	276.20
Line transformer maintenance.....	115.47	3.41			
Meter maintenance.....	54.52	140.65	122.28	76.11	6.90
Consumers' premises expenses.....		150.33	13.21		
Street lighting, operation and main- tenance.....	86.21	223.78	194.55	118.54	80.49
Promotion of business.....	6.60	25.80			
Billing and collecting.....	579.35	783.86	461.75	241.48	
General office, salaries and expenses..	108.51	459.95	421.86	133.85	591.61
Undistributed expenses.....	13.93	57.84	9.66		10.71
Truck operation and maintenance.....		240.06			
Interest.....	22.17	812.93			70.42
Sinking fund and principal payments on debentures.....	396.23	1,474.50			601.46
Depreciation.....	1,171.00	1,083.00	1,086.00	364.00	682.00
Other reserves.....					
Total operating costs and fixed charges.....	13,132.74	18,819.72	12,108.19	5,005.63	6,579.46
Net surplus.....		1,268.44		394.76	828.59
Net loss.....	150.16		622.10		
NUMBER OF CONSUMERS					
Domestic service.....	301	502	271	116	151
Commercial light service.....	79	94	92	45	39
Power service.....	14	12	12	2	5
Total.....	394	608	375	163	195

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1939

Teeswater	Thornton	Tottenham	Uxbridge	Victoria Harbor	Walkerton	Waubauskene
842	P.V.	557	1,509	1,023	2,463	P.V.
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
5,156.75	1,412.20	3,538.51	8,514.79	3,361.20	15,338.49	3,220.89
2,969.69	541.98	2,241.91	4,483.76	959.36	9,836.96	743.87
1,065.85	291.29	254.02	1,197.18		6,624.99	600.69
180.00		178.36		105.71	543.44	130.84
1,118.00	566.67	882.00	1,587.00	663.00	2,861.28	482.00
					393.45	
152.32		2.04	5.61		289.26	
10,642.61	2,812.14	7,096.84	15,788.34	5,089.27	35,887.87	5,178.29
6,531.72	1,779.16	4,905.51	13,158.56	3,046.04	23,754.75	3,879.80
401.76	202.03	396.44	800.75	285.35	969.85	79.96
88.47		102.85	135.82	106.50	184.58	
			230.01		464.97	109.05
59.76	63.12	154.40	273.31	110.39	126.17	
37.85					627.16	38.42
		281.44	362.01	360.00		
676.71	102.34	158.24	334.88	209.19	958.26	223.63
17.27			9.82		1,732.26	173.54
					242.97	
343.72	51.02	280.93		1.01	2,374.04	59.55
1,652.92	602.87	522.36			2,680.93	
890.00	393.00	518.00	861.00	543.00	1,694.00	422.00
			15.00		159.09	
10,700.18	3,193.54	7,320.17	16,181.16	4,661.48	35,969.03	4,985.95
				427.79		192.34
57.57	381.40	223.33	392.82		81.16	
225	60	140	402	221	621	212
58	13	47	99	22	139	23
4	2	7	10	1	17	4
287	75	194	511	244	777	239

STATEMENT

Detailed Operating Reports of Electrical Departments of

GEORGIAN BAY
SYSTEM—Concluded

Municipality.....	Warton	Winder- mere	Wingham	Woodville	GEORGIAN BAY SYSTEM SUMMARY
Population.....	1,723	118	2,123	421	
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	7,501.29	2,688.39	12,102.13	2,166.95	516,421.90
Commercial light service.....	8,143.65	1,126.15	8,021.17	1,104.77	313,155.63
Commercial power service.....	2,876.71	129.66	9,179.95	630.66	285,006.45
Municipal power.....	1,571.39		450.60		24,009.03
Street lighting.....	2,449.30	364.00	3,082.50	634.01	104,141.42
Merchandise.....			955.82		3,431.70
Miscellaneous.....	423.74		1,089.28	210.00	16,718.39
Total earnings.....	22,966.08	4,308.20	34,881.45	4,746.39	1,262,884.52
EXPENSES					
Power purchased.....	14,840.00	1,955.45	19,106.61	3,382.48	936,470.93
Substation operation.....			1,686.04		5,865.14
Substation maintenance.....					4,340.33
Distribution system, operation and maintenance.....	651.26	198.00	2,099.96	311.39	53,802.68
Line transformer maintenance.....					4,362.49
Meter maintenance.....	242.95	11.80	530.48	103.71	11,895.50
Consumers' premises expenses.....			17.60	31.30	5,115.03
Street lighting, operation and main- tenance.....	399.98	44.75	404.85	67.02	14,616.37
Promotion of business.....					4,731.25
Billing and collecting.....	709.85	151.40	702.41	268.39	36,260.75
General office, salaries and expenses.....	552.60	59.41	2,350.49	141.04	36,977.29
Undistributed expenses.....	85.05		152.80		7,031.63
Truck operation and maintenance.....	160.91				4,671.98
Interest.....	1,490.93	510.26	1,752.42	88.84	22,082.53
Sinking fund and principal payments on debentures.....	1,515.74	521.49	1,734.85	322.97	45,147.28
Depreciation.....	903.00	378.00	3,763.00	271.00	91,562.00
Other reserves.....	46.30			125.00	4,848.35
Total operating costs and fixed charges.....	21,598.57	3,830.56	34,301.51	5,113.14	1,289,781.53
Net surplus.....	1,367.51	477.64	579.94		
Net loss.....				366.75	26,897.01
NUMBER OF CONSUMERS					
Domestic service.....	401	61	560	115	23,998
Commercial light service.....	117	13	150	33	5,234
Power service.....	17	1	25	2	702
Total.....	535	75	735	150	29,934

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1939

EASTERN ONTARIO
SYSTEM

Alexandria	Apple Hill	Arnprior	Athens	Bath	Belleville	Bloomfield
1,971	P.V.	4,059	670	343	14,589	653
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
7,335.22	1,273.82	16,651.71	3,157.54	1,901.19	75,070.91	3,241.21
5,369.13	877.24	10,229.12	1,548.70	632.28	50,232.42	1,716.21
2,264.04	416.74	15,464.74	916.67		34,328.07	1,025.30
809.96		2,562.93			3,482.65	
1,944.33	477.30	3,084.38	1,055.00	525.00	10,340.78	704.00
		369.21			4,116.36	
464.05	15.25	257.94	136.03		2,797.92	81.22
18,186.73	3,060.35	48,620.03	6,813.94	3,058.47	180,369.11	6,767.94
9,694.36	1,675.18	30,111.64	4,399.67	1,639.98	143,380.57	4,470.93
					1,645.67	
900.17	156.31	1,043.27	289.27	61.80	2,583.55	49.54
70.15		132.52	167.19		455.69	
264.92	39.17	217.21			1,560.05	76.57
		347.71			54.46	
161.90	51.25	307.73	114.26	19.80	1,971.09	127.34
54.36		74.35			1,208.53	
1,041.90		3,068.35			3,693.00	
470.99	284.64	2,333.51	303.67	181.52	7,329.72	318.64
57.29		30.29			1,626.18	
398.28	91.95	2,510.22	487.00	397.91		287.36
3,103.76	431.15	1,769.13	685.84	296.58		572.82
1,645.00	206.00	1,123.00	570.00	232.00	8,692.00	626.00
17,863.08	2,935.65	43,068.93	7,016.90	2,829.59	174,200.51	6,529.20
323.65	124.70	5,551.10		228.88	6,168.60	238.74
			202.96			
363	56	763	172	50	3,314	170
115	24	139	45	10	643	43
12	2	20	1		100	7
490	82	922	218	60	4,057	220

STATEMENT

Detailed Operating Reports of Electrical Departments of

EASTERN ONTARIO
SYSTEM—Continued

Municipality.....	Bowman- ville 3,850	Brighton	Brockville	Cardinal	Carleton Place 4,278
Population.....		1,454	9,995	1,556	
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	27,222.74	9,203.39	52,159.51	7,276.09	18,603.80
Commercial light service.....	10,003.12	4,255.87	24,894.11	2,405.82	9,275.63
Commercial power service.....	48,328.80	3,234.53	35,554.84	522.97	23,055.92
Municipal power.....			4,647.66		1,397.24
Street lighting.....	3,866.49	2,055.00	8,871.50	977.00	4,834.89
Merchandise.....					46.32
Miscellaneous.....	2,773.97	157.83	5,353.62	135.00	1,545.68
Total earnings.....	92,195.12	18,906.62	131,481.24	11,316.88	58,759.48
EXPENSES					
Power purchased.....	70,919.10	9,837.35	92,523.82	6,871.66	40,539.69
Substation operation.....			5,100.00		
Substation maintenance.....	42.52		464.81		178.86
Distribution system, operation and maintenance.....	2,250.67	1,861.22	3,470.61	1,162.86	1,775.22
Line transformer maintenance.....	110.85	111.06	503.65		220.32
Meter maintenance.....	862.16	455.16	2,343.96	44.43	634.39
Consumers' premises expenses.....	623.85	284.11	35.36	2.01	240.05
Street lighting, operation and main- tenance.....	411.80	219.77	1,375.89	265.15	516.42
Promotion of business.....	206.22	186.10	4.17		353.12
Billing and collecting.....	2,365.11	414.36	2,257.83		1,886.44
General office, salaries and expenses..	2,446.43	1,116.50	5,016.19	624.43	3,447.26
Undistributed expenses.....	1,235.71	376.79	1,145.02		673.50
Truck operation and maintenance.....		322.83	762.18		475.23
Interest.....	1,007.03	643.44		513.28	1,754.57
Sinking fund and principal payments on debentures.....	3,050.74	1,125.23		670.24	3,418.18
Depreciation.....	2,737.00	758.00	11,189.00	504.00	2,472.00
Other reserves.....				50.00	
Total operating costs and fixed charges.....	88,269.19	17,711.92	126,192.49	10,708.06	58,585.25
Net surplus.....	3,925.93	1,194.70	5,288.75	608.82	174.23
Net loss.....					
NUMBER OF CONSUMERS					
Domestic service.....	1,161	511	2,843	371	1,010
Commercial light service.....	152	95	423	61	195
Power service.....	27	9	75	3	18
Total.....	1,340	615	3,341	435	1,223

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1939

Chesterville	Cobden	Cobourg	Colborne	Deseronto	Finch	Hastings	Havelock
1,083	627	5,307	955	1,300	337	757	1,147
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
4,548.00	2,127.91	34,441.01	5,375.34	5,654.28	2,205.80	3,758.61	5,288.26
3,604.46	2,534.74	19,472.68	3,183.90	2,092.35	1,636.94	2,197.22	2,944.33
1,909.23	334.36	22,416.56	569.91	1,176.26	335.67	244.49	2,260.06
		2,112.46	215.53	734.65			
1,040.00	765.00	5,850.88	1,508.00	1,369.80	468.00	1,293.73	1,512.00
454.30			386.30				
424.05	28.01	2,901.57	181.35	145.64	137.29	355.85	464.32
11,980.04	5,790.02	87,195.16	11,420.33	11,172.98	4,783.70	7,849.90	12,468.97
8,267.76	3,311.83	59,967.31	5,925.62	6,499.40	3,191.75	3,938.47	6,139.10
1,071.75	46.08	2,673.60	1,120.00	1,739.35	201.00	714.36	919.47
		217.81	17.15			78.75	
152.05	40.47	478.97	108.77	307.49		103.64	
9.38		317.01	285.76	227.77	33.24		209.32
146.65	171.97	672.69	147.48	397.95	63.63	95.94	216.68
333.08		25.00		17.27			
543.48	287.45	2,278.07		497.40			
547.21	120.90	3,434.81	1,443.50	466.55	310.02	569.30	541.69
		1,017.46	177.58	65.59		38.34	
			442.48	236.02			250.75
	354.86	2,644.43	618.22	80.99	249.75	885.85	349.66
	545.14	4,867.78	545.69	644.53	361.24	876.10	2,518.71
655.00	141.00	4,261.00	383.00	486.00	334.00	617.00	1,035.00
		200.00					
11,726.36	5,019.70	83,055.94	11,215.25	11,666.31	4,744.63	7,917.75	12,180.38
253.68	770.32	4,139.22	205.08		39.07		288.59
				493.33		67.85	
249	117	1,447	257	308	93	213	291
76	53	221	77	65	37	53	58
3	1	51	4	7	1	4	3
328	171	1,719	338	380	131	270	352

STATEMENT

Detailed Operating Reports of Electrical Departments of

EASTERN ONTARIO
SYSTEM—Continued

Municipality.....	Kemptville	Kingston	Lakefield	Lanark	Lancaster
Population.....	1,218	23,355	1,308	723	511
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	7,103.67	139,065.46	5,925.37	2,693.77	2,071.61
Commercial light service.....	4,973.81	89,951.79	4,147.92	1,538.04	1,612.90
Commercial power service.....	4,543.84	102,352.71	3,578.48		
Municipal power.....		8,229.87			
Street lighting.....	1,772.50	20,925.33	1,726.22	533.00	640.00
Merchandise.....					
Miscellaneous.....	1,000.01	2,179.63	419.52	113.32	3.87
Total earnings.....	19,393.83	362,704.79	15,797.51	4,878.13	4,328.38
EXPENSES					
Power purchased.....	11,672.01	233,755.84	10,246.93	2,987.63	2,177.03
Substation operation.....		5,511.68			
Substation maintenance.....		2,583.35			
Distribution system, operation and maintenance.....	1,240.42	14,801.82	904.47	120.27	106.46
Line transformer maintenance.....	48.52	1,265.36			
Meter maintenance.....	383.03	4,612.11	181.62	166.25	132.82
Consumers' premises expenses.....	67.44	2,506.83			
Street lighting, operation and maintenance.....	183.65	5,644.26	224.43	63.41	41.23
Promotion of business.....	167.80	488.10			
Billing and collecting.....	1,130.67	5,744.59	521.41		
General office, salaries and expenses.....	361.58	11,426.57	625.51	389.97	374.16
Undistributed expenses.....	79.28	8,122.48	116.40		
Truck operation and maintenance.....	340.05	2,338.43			
Interest.....	967.82	2,896.45	1,360.45	39.52	
Sinking fund and principal payments on debentures.....	902.61	2,592.50	1,204.91	658.81	
Depreciation.....	1,247.00	30,534.00	1,387.00	347.00	353.00
Other reserves.....		2,500.00			
Total operating costs and fixed charges.....	18,791.88	337,324.37	16,773.13	4,772.86	3,184.70
Net surplus.....	601.95	25,380.42		105.27	1,143.68
Net loss.....			975.62		
NUMBER OF CONSUMERS					
Domestic service.....	342	6,362	327	158	93
Commercial light service.....	85	943	71	40	36
Power service.....	6	155	6		
Total.....	433	7,460	404	198	129

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1939

Lindsay	Madoc	Marmora	Martintown	Maxville	Millbrook	Morrisburg	Napanee
7,138	1,108	995	P.V.	758	737	1,853	3,148
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
41,893.05	4,873.58	3,697.68	684.89	3,562.39	3,720.54	8,542.20	23,406.30
26,958.45	3,850.94	1,973.69	954.20	2,689.51	1,850.08	5,654.00	15,038.02
28,577.42	1,131.44	322.06			464.63	1,870.00	9,345.06
2,736.34						531.79	612.99
6,446.45	1,347.00	1,298.00	172.33	1,199.25	867.60	2,736.00	4,231.00
							33.20
4,839.10	108.37	27.66	51.12	65.76	36.45	142.23	137.59
111,450.81	11,311.33	7,319.09	1,862.54	7,516.91	6,939.30	19,476.22	52,804.16
80,741.74	8,327.49	4,441.04	1,274.19	4,197.49	3,174.20	6,384.61	34,950.67
						1,127.95	
1,645.14	1,244.55	699.61	100.73	278.54	495.81	2,040.40	3,529.02
687.57					5.37		113.78
2,527.10	218.36		90.32	132.73	138.29	135.80	534.71
1,315.74	54.37			64.24			549.64
2,011.15	215.60	148.28	29.40	213.10	16.05	236.29	440.72
375.51							528.31
3,145.39					445.36		1,720.11
6,405.21	960.05	765.55	144.42	321.90	1,142.43	939.21	4,476.67
1,239.60	41.07				35.83	154.71	2,296.80
						150.13	
3,867.33		218.68			461.77	1,939.09	89.69
6,404.05		1,051.82			279.45	4,404.12	262.55
4,909.00	494.00	616.00	173.00	603.00	173.00	659.00	1,956.00
				200.00			
115,274.53	11,555.49	7,940.98	1,812.06	6,011.00	6,367.56	18,171.31	51,448.67
			50.48	1,505.91	571.74	1,304.91	1,355.49
3,823.72	244.16	621.89					
1,986	287	228	46	152	178	428	805
336	97	47	25	48	53	118	203
74	6	2			3	14	28
2,396	390	277	71	200	234	560	1,036

STATEMENT

Detailed Operating Reports of Electrical Departments of

EASTERN ONTARIO
SYSTEM—Continued

Municipality.....	Newcastle	Norwood	Omemeë	Orono	Oshawa
Population.....	700	710	553	*P.V.	24,756
EARNINGS,	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	5,567.77	4,453.57	2,510.99	4,731.72	178,077.15
Commercial light service.....	2,849.31	2,346.21	1,735.66	2,495.69	69,268.55
Commercial power service.....	1,737.21	528.28	2,311.16	59.05	228,637.92
Municipal power.....					8,297.37
Street lighting.....	650.84	1,612.90	1,030.08	826.09	12,070.66
Merchandise.....					
Miscellaneous.....	81.24	611.02	82.59	16.30	9,451.08
Total earnings.....	10,886.37	9,551.98	7,670.48	8,128.85	505,802.73
EXPENSES					
Power purchased.....	4,532.80	4,017.61	4,802.89	3,628.80	431,238.75
Substation operation.....					
Substation maintenance.....					109.22
Distribution system, operation and maintenance.....	500.30	552.92	403.63	176.56	6,072.06
Line transformer maintenance.....	7.65		5.40	45.84	380.01
Meter maintenance.....	102.09		56.00	123.91	3,634.91
Consumers' premises expenses.....	30.60	228.76		273.47	6,545.18
Street lighting, operation and maintenance.....	34.34	140.14	143.98	51.01	2,195.81
Promotion of business.....					549.21
Billing and collecting.....	876.26			688.80	10,123.78
General office, salaries and expenses..	25.00	657.56	296.18	442.72	8,680.16
Undistributed expenses.....	16.06		12.80	11.00	4,875.91
Truck operation and maintenance.....		236.49			
Interest.....	463.50	1,297.78	16.41	380.00	6,966.50
Sinking fund and principal payments on debentures.....	476.99	1,455.68	245.43	643.50	14,615.59
Depreciation.....	772.00	1,211.00	745.00	157.00	12,791.00
Other reserves.....					359.65
Total operating costs and fixed charges.....	7,837.59	9,797.94	6,727.72	6,622.61	509,137.74
Net surplus.....	3,048.78		942.76	1,506.24	
Net loss.....		245.96			3,335.01
NUMBER OF CONSUMERS					
Domestic service.....	201	235	165	188	6,334
Commercial light service.....	36	57	41	46	562
Power service.....	5	3	6	1	107
Total.....	242	295	212	235	7,003

*13 months' operation.

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1939

Ottawa	Perth	Peterborough	Picton	Port Hope	Prescott	Richmond
144,202	4,174	23,984	3,439	4,724	2,925	403
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
532,085.02	24,520.16	155,334.42	21,315.14	25,488.75	17,332.32	2,050.39
202,576.09	15,108.64	85,351.84	16,028.97	12,635.83	10,241.08	1,470.01
51,956.73	13,659.56	120,907.12	3,645.58	26,826.78	3,918.10	.....
20,522.21	1,665.78	7,011.85	1,594.40	1,332.60	1,202.61	.....
78,778.41	2,841.50	22,268.00	3,672.19	4,004.76	3,644.70	390.00
.....	1,633.36	.....	622.53	.....	.....	.....
5,286.23	2,942.70	2,172.74	1,665.80	1,042.53	161.63	2.35
891,204.69	62,371.70	393,045.97	48,544.61	71,331.25	36,500.44	3,912.75
424,800.14	39,624.03	254,241.47	38,457.23	59,408.99	26,401.98	2,689.40
28,605.37	380.92	6,293.31	.....	.....	1,292.50	.....
788.81	.....	1,220.50	.....	.....	.....	.....
21,377.08	1,839.49	5,004.25	2,072.73	1,621.74	3,311.66	135.82
2,715.73	199.35	215.16	284.51	77.57	109.20	.....
11,463.11	583.47	7,032.25	611.21	1,520.83	178.52	.....
3,899.96	103.92	9,330.46	143.93	954.98	465.65	.....
32,331.67	454.67	5,187.87	488.77	934.81	890.48	32.76
10,140.54	257.70	1,848.04	127.49	.....	.....	.....
43,111.47	2,013.04	5,756.22	1,454.78	2,085.78	1,330.00	.....
28,456.72	3,438.51	7,577.16	2,147.83	3,473.50	2,309.62	181.42
14,790.38	650.25	4,575.92	563.50	908.38	1,148.54	.....
2,056.33	641.52	1,301.99	489.70	213.41	.....	.....
26,369.89	3,237.57	27,748.30	44.66	.....	.....	250.26
16,795.73	2,023.21	14,263.54	.....	.....	.....	316.43
93,645.81	4,189.00	19,857.00	2,302.00	2,728.00	3,265.00	256.00
55,000.00	566.00	500.00	.....	.....	.....	.....
816,348.74	60,202.65	371,953.44	49,188.34	73,927.99	40,703.15	3,862.09
74,855.95	2,169.05	21,092.53	.....	.....	.....	50.66
.....	.....	.....	643.73	2,596.74	4,202.71	.....
13,933	1,025	5,739	1,008	1,338	725	66
1,381	198	931	196	205	170	28
189	26	160	29	37	21	.....
15,503	1,249	6,830	1,233	1,580	916	94

STATEMENT

Detailed Operating Reports of Electrical Departments of

EASTERN ONTARIO
SYSTEM—Concluded

Municipality.....	Russell	Smiths Falls	Stirling	Trenton	Tweed
Population.....	P.V.	7,672	960	6,833	1,228
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	2,775.18	44,962.72	5,036.86	31,247.69	5,991.46
Commercial light service.....	1,614.08	16,839.47	3,642.82	19,932.05	4,821.78
Commercial power service.....		20,592.91	1,329.69	57,053.62	2,931.31
Municipal power.....		874.54	287.73	1,847.11	372.35
Street lighting.....	784.00	7,489.92	1,607.04	6,964.13	2,023.71
Merchandise.....			156.63		895.29
Miscellaneous.....	95.00	3,053.38	352.23	1,574.36	109.58
Total earnings.....	5,268.26	93,812.94	12,413.00	118,618.96	17,145.48
EXPENSES					
Power purchased.....	2,662.01	56,520.48	7,398.94	86,590.63	9,748.65
Substation operation.....		464.81	264.24	85.71	
Substation maintenance.....		797.33			
Distribution system, operation and maintenance.....	226.87	4,841.78	867.90	2,585.23	664.23
Line transformer maintenance.....		758.83	35.75	104.76	3.05
Meter maintenance.....	24.50	1,364.13	176.05	2,234.15	208.07
Consumers' premises expenses.....	40.63	2,595.50		659.51	
Street lighting, operation and main- tenance.....	96.38	998.45	275.49	1,151.05	208.70
Promotion of business.....		747.47		140.39	
Billing and collecting.....		3,649.48	525.46	3,350.63	710.01
General office, salaries and expenses..	412.57	3,129.31	1,266.05	5,654.01	1,094.03
Undistributed expenses.....		945.96	80.88	2,471.65	183.19
Truck operation and maintenance.....		1,136.05	177.13	961.86	28.93
Interest.....	261.55	444.06		2,572.70	410.48
Sinking fund and principal payments on debentures.....	575.24	2,717.10		7,089.74	
Depreciation.....	346.00	7,139.00	941.00	5,331.00	586.00
Other reserves.....					227.00
Total operating costs and fixed charges.....	4,645.75	88,249.74	12,008.89	120,983.02	14,072.34
Net surplus.....	622.51	5,563.20	404.11		3,073.14
Net loss.....				2,364.06	
NUMBER OF CONSUMERS					
Domestic service.....	119	1,815	289	1,496	291
Commercial light service.....	35	279	79	264	98
Power service.....		44	13	51	15
Total.....	154	2,138	381	1,811	404

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1939

Warkworth P.V.	Wellington 916	Westport 693	Whitby 3,724	Williamsburg P.V.	Winchester 1,040	EASTERN ONTARIO SYSTEM SUMMARY
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
2,177.11	6,016.63	3,490.34	24,311.57	1,989.98	6,208.00	1,641,411.79
1,264.75	2,410.29	3,193.76	13,106.03	3,880.91	3,921.09	817,034.53
.....	1,301.28	.....	12,992.71	127.44	1,435.73	898,496.98
.....	.....	.....	1,225.28	.....	.....	74,307.90
615.00	1,087.32	1,322.27	4,087.06	240.00	944.00	255,392.34
.....	.....	.....	.....	.....	35.17	8,748.67
137.50	200.00	160.98	3,824.88	463.85	363.17	61,332.36
4,194.36	11,015.52	8,167.35	59,547.53	6,702.18	12,907.16	3,756,724.57
2,743.02	6,731.35	4,514.89	36,624.20	4,365.46	9,139.73	2,438,519.51
.....	.....	.....	220.89	.....	.....	50,772.16
.....	.....	.....	.....	.....	.....	6,406.29
96.94	731.01	410.34	3,717.65	187.91	366.23	109,061.67
.....	.....	.....	44.07	.....	.....	9,192.62
9.49	206.38	7.60	201.36	103.10	151.60	46,935.28
.....	28.43	.....	773.16	18.90	61.85	33,383.18
48.25	142.39	145.94	562.95	202.01	93.21	63,734.09
.....	.....	.....	246.61	.....	.....	18,079.37
.....	.....	.....	1,616.06	.....	599.73	108,932.42
225.14	609.33	994.09	2,184.31	711.75	245.46	133,853.14
.....	38.32	.....	296.14	.....	.....	50,098.80
.....	.....	60.85	.....	.....	.....	12,622.36
484.56	472.55	603.32	1,004.78	.....	228.31	98,372.78
314.58	933.88	625.79	3,028.54	.....	545.39	109,910.04
267.00	887.00	264.00	3,882.00	279.00	739.00	244,696.81
.....	.....	.....	.....	100.00	.....	59,702.65
4,188.98	10,780.64	7,626.82	54,402.72	5,968.13	12,170.51	3,594,273.17
5.38	234.88	540.53	5,144.81	734.05	736.65	162,451.40
.....
137	321	113	908	101	289	61,987
44	66	51	166	53	83	9,756
.....	5	.....	23	1	3	1,381
181	392	164	1,097	155	375	73,124

STATEMENT

Detailed Operating Reports of Electrical Departments of

THUNDER BAY
SYSTEM

Municipality.....	Fort William	Nipigon Twp.	Port Arthur	THUNDER BAY SYSTEM SUMMARY
Population.....	24,301		20,872	
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	197,320.43	3,462.47	115,345.20	316,128.10
Commercial light service.....	70,166.68	3,261.85	67,007.50	140,436.03
Commercial power service.....	43,551.48	181.57	621,703.24	665,436.29
Municipal power.....	25,130.87	503.26	34,305.31	59,939.44
Street lighting.....	19,541.13	593.00	19,590.56	39,724.69
Merchandise.....				
Miscellaneous.....	2,337.04	196.25	15,043.99	17,577.28
Total earnings.....	358,047.63	8,198.40	872,995.80	1,239,241.83
EXPENSES				
Power purchased.....	254,401.76	3,958.86	749,477.84	1,007,838.46
Substation operation.....	7,650.74		25,212.33	32,863.07
Substation maintenance.....	950.36		6,250.54	7,200.90
Distribution system, operation and maintenance.....	7,841.01	542.30	17,665.12	26,048.43
Line transformer maintenance.....	133.77	71.14	977.61	1,182.52
Meter maintenance.....	8,346.36	39.10	7,706.14	16,091.60
Consumers' premises expenses.....	1,069.52			1,069.52
Street lighting, operation and main- tenance.....	7,132.22	37.63	5,078.95	12,248.80
Promotion of business.....	775.92	30.00	2,799.74	3,605.66
Billing and collecting.....	14,943.89		12,770.54	27,714.43
General office, salaries and expenses..	5,344.83	947.05	13,734.42	20,026.30
Undistributed expenses.....	3,910.27	56.70	7,966.13	11,933.10
Truck operation and maintenance....	1,529.61		1,410.49	2,940.10
Interest.....	15,416.30	261.19	2,121.15	17,798.64
Sinking fund and principal payments on debentures.....	7,943.17	614.62	1,892.47	10,450.26
Depreciation.....	16,502.00	649.00	29,023.94	46,174.94
Other reserves.....	1,907.10		3,500.00	5,407.10
Total operating costs and fixed charges.....	355,798.83	7,207.59	887,587.41	1,250,593.83
Net surplus.....	2,248.80	990.81		
Net loss.....			14,591.61	11,352.00
NUMBER OF CONSUMERS				
Domestic service.....	5,841	195	4,972	11,008
Commercial light service.....	930	57	821	1,808
Power service.....	117	2	109	228
Total.....	6,888	254	5,902	13,044

"B"—Concluded

Hydro Municipalities for Year Ended December 31, 1939

NORTHERN ONTARIO
DISTRICTS

Capreol 1,680	Sioux Lookout *1,901	Sudbury 26,463	NORTHERN ONTARIO DISTRICTS SUMMARY	ALL SYSTEMS GRAND SUMMARY
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
9,684.77	3,716.76	209,478.98	222,880.51	13,038,748.37
3,987.81	3,481.21	161,430.19	168,899.21	7,077,144.74
.....	.....	39,994.84	39,994.84	10,957,719.66
740.27	.....	11,880.48	12,620.75	1,760,977.25
1,257.67	420.68	21,907.37	23,585.72	1,831,090.33
.....	.....	.....	.....	28,874.86
165.58	.....	4,066.54	4,232.12	595,235.49
15,836.10	7,618.65	448,758.40	472,213.15	35,289,790.70
.....
5,808.92	8,750.01	241,962.61	256,521.54	21,855,595.20
.....	.....	8,154.75	8,154.75	516,987.25
.....	.....	.....	.....	377,013.25
1,750.10	257.05	16,568.29	18,575.44	943,859.59
34.03	72.90	1,701.67	1,808.60	95,577.72
134.55	27.85	4,696.83	4,859.23	386,145.71
.....	.....	727.13	727.13	488,980.55
.....
551.75	50.70	10,638.92	11,241.37	384,071.55
.....	.....	.....	.....	317,467.64
1,093.36	527.66	17,808.08	19,429.10	1,008,065.66
1,051.37	111.66	12,900.64	14,063.67	966,550.98
100.80	.....	3,929.09	4,029.89	463,456.65
.....	100.40	3,233.15	3,333.55	80,263.46
166.94	.....	7,168.04	7,334.98	1,594,040.32
.....
931.13	.....	9,151.18	10,082.31	2,420,441.30
.....
743.00	95.60	14,901.00	15,739.60	2,422,174.57
.....
68.36	.....	15,000.00	15,068.36	102,189.76
.....
12,434.31	9,993.83	368,541.38	390,969.52	34,422,881.16
.....
3,401.79	.....	80,217.02	81,243.63	866,909.54
.....
.....	2,375.18	.....	.....	.....
.....
.....
307	524	6,731	7,562	509,284
49	115	1,059	1,223	77,071
1	.....	140	141	13,072
.....
357	639	7,930	8,926	599,427

*Four months' operation.

STATEMENT "C"

Street Lighting Installation in Hydro Municipalities, December 31, 1939; showing Rate per Lamp, Cost to Municipality in 1939, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1939	Cost per capita
				\$ c.	\$ c.	\$ c.
Acton.....	1,869	{ 134	80 c.p.	<i>s</i> 9.00	1,983.06	1.06
		{ 5	80 c.p.	<i>s</i> 12.00		
		{ 2	400 c.p.	<i>s</i> 18.00		
		{ 8	60 watt	<i>m</i> 4.00		
		{ 62	100 watt	<i>m</i> 9.00		
		{ 1	150 watt	<i>m</i> 12.00		
		{ 1	200 watt	<i>m</i> 18.50		
		{ 4	300 watt	<i>m</i> 20.00		
Agincourt.....		63	100 watt	<i>m</i> 12.00	756.00	**
Ailsa Craig.....	483	{ 66	100 watt	<i>m</i> 10.00	683.30	1.41
		{ 2	200 watt	<i>m</i> 18.00		
Alexandria.....	1,971	{ 138	100 watt	<i>m</i> 14.00	1,944.33	0.99
		{ 1	200 watt	<i>m</i> 24.00		
Alliston.....	1,405	{ 101	150 c.p.	<i>s</i> 17.50	1,977.50	1.41
		{ 12	100 watt	<i>m</i> 17.50		
Alvinston.....	650	{ 84	100 watt	<i>m</i> 17.00	1,584.00	2.44
		{ 6	200 watt	<i>m</i> 26.00		
Amherstburg....	2,857	{ 72	100 watt	<i>m</i> 15.00	2,311.18	††
		{ 41	200 watt	<i>m</i> 20.00		
		{ 16	300 watt	<i>m</i> 26.00		
Ancaster Twp....		{ 32	100 watt	<i>m</i> 11.50	1,054.00	**
		{ 49	150 watt	<i>m</i> 14.00		
Apple Hill.....		33	100 watt	<i>m</i> 14.50	477.30	**
Arkona.....	397	{ 48	100 watt	<i>m</i> 20.00	1,072.00	2.70
		{ 4	150 watt	<i>m</i> 28.00		
Arnprior.....	4,059	{ 177	100 watt	<i>m</i> 18.00	3,084.38	0.76
		{ 10	300 watt	<i>m</i> 27.00		
Arthur.....	1,035	90	100 c.p.	<i>s</i> 15.50	1,462.50	1.41
Athens.....	670	{ 40	100 watt	<i>m</i> 12.00	1,055.00	1.57
		{ 23	200 watt	<i>m</i> 25.00		
Aylmer.....	2,156	{ 193	100 watt	<i>m</i> 10.00	2,575.83	1.19
		{ 1	100 watt(11 mos.)	<i>m</i> 10.00		
		{ 24	300 watt	<i>m</i> 25.00		
		{ 1	Traffic signal	<i>m</i> 40.00		
Ayr.....	730	{ 92	100 watt	<i>m</i> 10.00	1,028.00	1.41
		{ 3	500 watt	<i>m</i> 36.00		

NOTE: The "Cost to municipality in 1939" represents the charges billed to the municipality by the utility for street lighting service in the calendar year. This total charge differs in some cases from the total computed for the installation at the rates shown, for the following reasons:— FIRST: Certain equipment may have been in service for less than twelve months. SECOND: More equipment than shown for December 31 may have been in service earlier in the year.

**Population not shown in Government statistics. *s* Series system. *m* Multiple system.

††Certain additional street lighting costs for special service are paid direct in form of debenture charges.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1939; showing Rate per Lamp, Cost to Municipality in 1939, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1939	Cost per capita
Baden.....		79	100 watt <i>m</i>	\$ c. 9.00	\$ c. 711.00	\$ c. **
		{ 479	150 c.p. <i>s</i>	9.00		
		{ 14	100 watt <i>m</i>	17.00		
		{ 48	200 watt <i>m</i>	22.00		
Barrie.....	8,310	{ 13	200 watt <i>m</i>	15.00	6,002.10	0.72
		{ 3	(Dock) 200 watt <i>m</i>	12.00		
			(6 mos.)			
		{ 13	300 watt <i>m</i>	25.00		
		{ 1	(Monument)			
			500 watt <i>m</i>	30.00		
Bath.....	343	21	100 watt <i>m</i>	25.00	525.00	1.53
Beachville.....		47	100 watt <i>m</i>	11.00	517.00	**
		{ 52	80 c.p. <i>s</i>	8.00		
		{ 5	60 watt <i>m</i>	8.00		
Beamsville.....	1,161	{ 40	100 watt <i>m</i>	12.00	1,908.00	1.64
		{ 54	200 watt <i>m</i>	18.00		
		{ 108	100 watt <i>m</i>	10.00		
Beaverton.....	955	{ 11	100 watt (6 mos.) <i>m</i>	7.00	1,297.82	1.36
		{ 6	500 watt <i>m</i>	25.00		
Beeton.....	571	{ 65	150 c.p. <i>s</i>	16.00	1,264.00	2.21
		{ 14	100 watt <i>m</i>	16.00		
		{ 81	100 watt <i>m</i>	12.00		
Belle River	814		Decorative lights <i>m</i>	50c. per 100 watts per month	1,030.00	1.27
		{ 539	100 c.p. <i>s</i>	7.00		
		{ 19	250 c.p. <i>s</i>	15.00		
		{ 52	1,000 c.p. <i>s</i>	30.00		
Belleville.....	14,589	{ 22	100 watt <i>m</i>	9.50	10,340.78	0.71
		{ 16	200 watt <i>m</i>	12.50		
		{ 3	200 watt <i>m</i>	15.00		
		{ 24	250 watt <i>m</i>	14.50		
		{ 217	300 watt <i>m</i>	20.00		
		{ 166	150 c.p. <i>s</i>	12.00		
		{ 3	400 c.p. <i>s</i>	28.00		
Blenheim.....	1,758	{ 12	600 c.p. <i>s</i>	37.00	2,626.15	1.49
		{ 1	Traffic light <i>m</i>	16.00		
		{ 1	500 watt <i>m</i>	33.00		
Bloomfield.....	653	64	100 watt <i>m</i>	11.00	704.00	1.08
		{ 90	100 watt <i>m</i>	13.00		
Blyth.....	656	{ 20	200 watt <i>m</i>	20.50	1,580.00	2.41
		{ 48	100 watt <i>m</i>	12.00		
Bolton.....	600	{ 23	200 watt <i>m</i>	21.50	1,070.52	1.78
		{ 70	100 watt <i>m</i>	10.00		
Bothwell.....	694	{ 21	300 watt <i>m</i>	25.00	1,225.02	1.77

**Population not shown in Government statistics. *s* Series system. *m* Multiple system.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1939; showing
Rate per Lamp, Cost to Municipality in 1939, and Cost per Capita.

Municipality	Popula- tion	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1939	Cost per capita
Bowmanville....	3,850	{ 182 19 28	100 c.p. 300 watt 500 watt	<i>s</i> <i>m</i> <i>m</i> \$ c. 10.00 30.00 53.00	3,866.49	1.00
Bradford.....	988	{ 60 7	150 c.p. 100 watt	<i>s</i> <i>m</i> 16.00 16.00	1,072.00	1.09
Brampton.....	5,695	{ 586 1 46 2	100 watt 500 watt 500 watt 300 watt	<i>m</i> <i>m</i> <i>m</i> <i>m</i> 8.00 35.00 37.50 28.00	6,458.66	1.13
Brantford.....	31,369	{ 149 3,459 8 2 18 4	1,500 c.p. 100 watt 250 watt 300 watt 750 watt 750 watt	<i>s</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> 45.00 7.50 10.00 16.00 37.00 46.00	33,593.94	††
Brantford Twp.....		387	100 watt	<i>m</i> 11.00	4,151.87	**
Brechin.....	‡	34	100 watt	<i>m</i> 14.00	476.50	**
Bridgeport.....		{ 60 12	100 watt 100 watt (bridge)	<i>m</i> <i>m</i> 13.00 8.00	799.50	**
Brigden.....		{ 46 21	60 watt 100 watt	<i>m</i> <i>m</i> 11.00 14.00	800.00	**
Brighton.....	1,454	137	100 c.p.	<i>s</i> 15.00	2,055.00	1.41
Brockville.....	9,995	{ 650 10 35 51 13	100 c.p. 200 watt orn. 3 lt. stands. 5 lt. stands. 300 watt	<i>s</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> 10.00 19.00 21.00 24.00 20.00	8,871.50	0.89
Brussels.....	773	{ 81 18	100 watt 200 watt	<i>m</i> <i>m</i> 12.00 18.00	1,296.00	1.68
Burford.....		67	100 watt	<i>m</i> 10.00	670.08	**
Burgessville.....		24	100 watt	<i>m</i> 13.00	312.00	**
Caledonia.....	1,425	{ 147 20 9 2 10 1	100 watt 100 watt (bridge) 100 watt (twp.) 200 watt 300 watt 500 watt	<i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> 9.00 9.50 13.00 14.00 22.50 32.00	1,908.27	1.34
Campbellville.....		20	100 watt	<i>m</i> 23.00	460.00	**
Cannington.....	756	{ 65 1 3 3	100 watt 200 watt 300 watt 500 watt	<i>m</i> <i>m</i> <i>m</i> <i>m</i> 15.00 18.50 22.00 32.00	1,144.69	1.51

‡Includes Mara and Thorah townships.

**Population not shown in Government statistics. *s* Series system. *m* Multiple system.

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STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1939; showing
Rate per Lamp, Cost to Municipality in 1939, and Cost per Capita.

Municipality	Popula- tion	Number of lamps	Size and style of lamps		Interim rate per lamp per annum \$ c.	Cost to municipality in 1939 \$ c.	Cost per capita \$ c.
Capreol.....	1,680	90	100 watt	<i>m</i>	14.00	1,257.67	0.75
Cardinal.....	1,556	{ 52 12	100 watt 200 watt	<i>m</i> <i>m</i>	15.00 21.00	977.00	0.63
Carleton Place..	4,278	{ 85 102 68	60 watt 200 watt 300 watt	<i>m</i> <i>m</i> <i>m</i>	13.00 20.00 25.00	4,834.89	1.13
Cayuga.....	682	{ 91 1	100 watt 150 watt	<i>m</i> <i>m</i>	17.00 20.00	1,437.93	2.11
Chatham.....	16,517	{ 723 19 47 37 75 139	150 c.p. 250 c.p. 600 c.p. 150 c.p. orn. 600 c.p. orn. 1,000 c.p. orn.	<i>s</i> <i>s</i> <i>s</i> <i>s</i> <i>s</i> <i>s</i>	13.00 16.00 31.00 12.00 30.00 38.00	19,356.31	††
Chatsworth.....	337	41	100 watt	<i>m</i>	13.00	533.00	1.58
Chesley.....	1,815	125	150 c.p.	<i>s</i>	11.00	1,377.10	0.76
Chesterville.....	1,083	87	100 watt	<i>m</i>	12.00	1,040.00	0.96
Chippawa.....	1,140	{ 95 19	100 watt 200 watt	<i>m</i> <i>m</i>	13.00 25.00	1,689.33	1.48
Clifford.....	452	{ 58 10	100 watt 200 watt	<i>m</i> <i>m</i>	13.00 20.00	951.94	2.11
Clinton.....	1,888	{ 148 8 29 1	150 c.p. 100 watt 300 watt 500 watt	<i>s</i> <i>m</i> <i>m</i> <i>m</i>	11.00 11.00 31.00 55.00	2,705.80	1.43
Cobden.....	627	{ 38 12	100 watt 150 watt	<i>m</i> <i>m</i>	13.50 21.00	765.00	1.22
Cobourg.....	5,307	{ 175 231 5 19	100 c.p. 100 watt 250 watt 500 watt	<i>s</i> <i>m</i> <i>m</i> <i>m</i>	12.00 12.00 23.00 47.50	5,850.88	1.13
Colborne.....	955	{ 120 6	60 c.p. 100 watt	<i>s</i> <i>m</i>	12.00 12.00	1,508.00	1.58
Coldwater.....	612	{ 50 19	100 watt 200 watt	<i>m</i> <i>m</i>	11.00 17.00	873.00	1.43
Collingwood....	5,322	424	150 c.p.	<i>s</i>	9.00	3,808.03	0.72
Comber.....		{ 49 7	100 watt 200 watt	<i>m</i> <i>m</i>	12.00 18.00	689.50	**
Cookstown.....		57	150 c.p.	<i>s</i>	15.00	855.00	**

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STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1939; showing Rate per Lamp, Cost to Municipality in 1939, and Cost per Capita.

Municipality	Popula- tion	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1939	Cost per capita
Cottam.....		32	100 watt <i>m</i>	\$ c. 15.00	\$ c. 480.00	\$ c. **
Courtright.....	329	43	100 watt <i>m</i>	16.00	688.00	2.09
Creemore.....	615	62	100 watt <i>m</i>	12.00	744.00	1.21
Dashwood.....		41	100 watt <i>m</i>	11.00	451.01	**
Delaware.....		{ 22 1	100 watt <i>m</i> 100 watt (6 mos.) <i>m</i>	12.00 12.00	270.00	**
Delhi.....	2,083	{ 175 1 1 1	100 watt <i>m</i> 200 watt <i>m</i> 200 watt <i>m</i> Traffic light <i>m</i>	12.00 17.50 25.00 17.50	2,140.90	1.03
Deseronto.....	1,300	137	100 c.p. <i>s</i>	10.00	1,369.80	1.05
Dorchester.....		72	100 watt <i>m</i>	10.00	720.00	**
Drayton.....	527	80	100 watt <i>m</i>	12.00	960.00	1.82
Dresden.....	1,572	{ 109 20 12 15	100 c.p. <i>s</i> 400 c.p. <i>s</i> 100 watt (bridge) <i>m</i> 50 watt (arch) <i>m</i>	13.00 21.50 12.00 4.56	2,061.48	1.31
Drumbo.....		41	100 watt <i>m</i>	13.00	528.66	**
Dublin.....		50	100 watt <i>m</i>	11.00	550.00	**
Dundalk.....	700	82	100 watt <i>m</i>	15.00	1,230.00	1.76
Dundas.....	4,839	{ 286 12 54 6 20 5	100 watt <i>m</i> 200 watt <i>m</i> 200 watt <i>m</i> 200 watt orn. <i>m</i> 100 watt <i>m</i> Memorial square 300 watt <i>m</i>	12.00 16.00 32.00 26.00 Free 24.00	5,628.00	††
Dunnville.....	3,928	{ 162 27 105	150 c.p. <i>s</i> 1,000 c.p. <i>s</i> 100 watt <i>m</i>	10.50 31.50 10.50	3,577.92	0.91
Durham.....	1,864	{ 106 6	150 c.p. <i>s</i> 400 c.p. <i>s</i>	14.00 22.00	1,616.00	0.87
Dutton.....	793	115	100 watt <i>m</i>	9.00	1,036.44	1.31
East York Twp..		{ 1 1,097 4 2 246 15	60 watt <i>m</i> 100 watt <i>m</i> 200 watt <i>m</i> 250 watt <i>m</i> 300 watt <i>m</i> 500 watt <i>m</i>	7.80 13.00 19.50 22.75 26.00 29.00	21,128.99	**

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STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1939; showing
Rate per Lamp, Cost to Municipality in 1939, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1939	Cost per capita
				\$ c.	\$ c.	\$ c.
Elmira.....	2,074	{ 191	100 watt	<i>m</i> 9.00	2,035.00	0.98
		{ 8	200 watt	<i>m</i> 12.00		
		{ 1	500 watt	<i>m</i> 28.00		
		{ 2	200 watt	<i>m</i> 23.00		
		{ 4	400 watt	<i>m</i> 36.50		
Elmvale.....		60	100 watt	<i>m</i> 12.00	790.50	**
Elmwood.....		23	150 watt	<i>m</i> 18.00	442.58	**
Elora.....	1,149	{ 81	100 watt	<i>m</i> 13.00	1,544.64	1.34
		{ 27	200 watt	<i>m</i> 19.00		
Embro.....	423	53	100 watt	<i>m</i> 12.00	636.00	1.50
Erieau.....	295	24	100 watt	<i>m</i> 18.00	432.00	1.46
Essex.....	1,854	{ 134	60 watt	<i>m</i> 7.50	2,156.68	††
		{ 16	100 watt	<i>m</i> 10.00		
		{ 5	200 watt	<i>m</i> 14.00		
		{ 49	300 watt orn.	<i>m</i> 18.00		
		{ 1	500 watt orn.	<i>m</i> 28.00		
		{ 12	Empty sockets orn.	<i>m</i> 1.50		
Etobicoke Twp.....		{ 6	Empty sockets	<i>m</i> 4.50	13,767.62	**
		{ 1,049	100 watt	<i>m</i> 12.50		
		{ 22	100 watt	<i>m</i> 17.00		
		{ 2	250 watt	<i>m</i> 16.00		
		{ 2	25 watt	<i>m</i> 12.50 per 100 watts		
		{ 8	200 watt	<i>m</i> 14.50		
Exeter.....	1,649	{ 9	300 watt	<i>m</i> 29.00	2,736.87	1.66
		{ 3	100 watt (Park)	<i>m</i> 8.50		
		{ 175	100 watt	<i>m</i> 9.50		
Fergus.....	2,792	{ 32	300 watt	<i>m</i> 33.00	2,758.86	0.99
		{ 145	100 watt	<i>m</i> 12.00		
		{ 20	150 watt	<i>m</i> 14.50		
		{ 22	300 watt orn.	<i>m</i> 27.50		
Finch.....	337	{ 4	Traffic lights	<i>m</i> 18.00	468.00	1.39
		{ 39	100 watt	<i>m</i> 12.00		
Flesherton.....	455	{ 56	100 watt	<i>m</i> 11.00	626.60	1.38
		{ 1	300 watt	<i>m</i> 26.00		
Fonthill.....	867	{ 71	100 watt	<i>m</i> 15.00	1,364.83	1.57
		{ 12	300 watt	<i>m</i> 27.00		
Forest.....	1,520	{ 109	60 watt	<i>m</i> 7.00	2,426.34	1.60
		{ 149	100 watt	<i>m</i> 11.00		
		{ 3	100 watt	<i>m</i> 18.00		
		{ (Station platform)				
Forest Hill.....	11,117	{ 535	100 watt	<i>m</i> 12.00	7,176.06	0.65
		{ 3	300 watt	<i>m</i> 27.00		
		{ 20	300 watt	<i>m</i> 38.00		
		{ 5	400 watt	<i>m</i> 61.00		

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STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1939; showing
Rate per Lamp, Cost to Municipality in 1939, and Cost per Capita.

Municipality	Popula- tion	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1939	Cost per capita
				\$ c.	\$ c.	\$ c.
Fort William....	24,301	{ 381	100 c.p.	<i>s</i> 8.00	19,541.13	0.80
		{ 58	400 c.p.	<i>s</i> 18.00		
		{ 77	600 c.p.	<i>s</i> 28.00		
		{ 239	1,000 c.p.	<i>s</i> 38.00		
		{ 188	100 watt	<i>m</i> 8.00		
		{ 115	300 watt	<i>m</i> 23.00		
		{ 25	25 watt	<i>m</i> 2.70		
Galt.....	14,219	{ 981	100 c.p.	<i>s</i> 9.00	16,292.92	1.15
		{ 294	100 watt	<i>m</i> 6.50		
		{ 100	100 watt	<i>m</i> 8.00		
		{ 26	150 watt	<i>m</i> 9.00		
		{ 22	100 watt	<i>m</i> 16.00		
		{ 18	150 watt (bridge)	<i>m</i> 8.50		
		{ 33	150 watt	<i>m</i> 9.00		
		{ 40	150 watt	<i>m</i> 18.00		
		{ 31	150 watt	<i>m</i> 21.00		
		{ 4	300 watt	<i>m</i> 16.50		
		{ 80	300 watt	<i>m</i> 17.00		
		{ 12	300 watt	<i>m</i> 26.00		
Georgetown†....	2,345	{ 163	100 watt	<i>m</i> 11.00	2,736.29
		{ 1	300 watt	<i>m</i> 19.00		
		{ 5	(floodlight)	<i>m</i> 30.00		
		{ 16	500 watt	<i>m</i> 38.50		
Glencoe.....	726	{ 113	100 watt	<i>m</i> 14.00	1,962.00	2.70
		{ 19	200 watt	<i>m</i> 20.00		
Goderich.....	4,407	{ 327	100 c.p.	<i>s</i> 9.00	4,488.13	1.02
		{ 8	100 watt	<i>m</i> 15.00		
		{ 7	400 watt	<i>m</i> 35.00		
		{ 4	250 watt	<i>m</i> 18.00		
		{ 8	500 watt	<i>m</i> 37.00		
		{ 16	600 watt	<i>m</i> 52.00		
Grand valley....	600	{ 42	100 watt	<i>m</i> 12.00	920.00	1.53
		{ 13	300 watt	<i>m</i> 32.00		
Granton.....	37	100 watt	<i>m</i> 10.00	370.00	**
Gravenhurst....	2,135	{ 134	100 c.p.	<i>s</i> 10.00	2,092.98	0.98
		{ 22	50 watt	<i>m</i> 7.50		
		{ 10	50 watt (6 mos.)	<i>m</i> 4.00		
		{ 2	100 watt	<i>m</i> 10.00		
		{ 8	100 watt (6 mos.)	<i>m</i> 6.00		
		{ 16	300 watt	<i>m</i> 30.00		
Guelph.....	21,514	{ 10	50 watt	<i>m</i> 4.00	18,961.48	0.88
		{ 6	50 watt	<i>m</i> 4.00		
		{ 1,394	100 watt	<i>m</i> 10.00		
		{ 180	200 watt	<i>m</i> 12.50		
		{ 43	300 watt	<i>m</i> 18.75		
		{ 12	500 watt (220V)	<i>m</i> 25.00		
		{ 53	500 watt (220V)	<i>m</i> 34.00		
Hagersville.....	1,355	{ 115	100 watt	<i>m</i> 14.00	2,050.00	1.51
		{ 20	300 watt	<i>m</i> 22.00		

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†Includes Glen Williams.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1939; showing Rate per Lamp, Cost to Municipality in 1939, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1939	Cost per capita
				\$ c.	\$ c.	\$ c.
Hamilton.....	154,751	6	40 watt	<i>m</i> 4.50	123,751.44	0.80
		96	50 watt	<i>m</i> 6.00		
		6	50 watt	<i>m</i> 7.00		
		12	60 watt	<i>m</i> 8.00		
		8,150	100 watt	<i>m</i> 7.50		
		42	100 watt	<i>m</i> 7.00		
		68	100 watt	<i>m</i> 9.50		
		19	100 watt	<i>m</i> 10.00		
		6	100 watt	<i>m</i> 11.00		
		1,352	200 watt	<i>m</i> 11.00		
		13	200 watt	<i>m</i> 13.00		
		2	300 watt	<i>m</i> 18.00		
		6	300 watt	<i>m</i> 26.00		
		77	300 watt	<i>m</i> 32.00		
		27	300 watt	<i>m</i> 34.00		
		490	500 watt	<i>m</i> 32.00		
		600	500 watt	<i>m</i> 37.00		
		65	750 watt	<i>m</i> 55.00		
		2	1,000 watt	<i>m</i> 70.00		
		2	1,200 watt stands	<i>m</i> 70.00		
Hanover.....	3,215	10	500 watt stands	<i>m</i> 40.00	2,628.96	0.82
			880 watt special	<i>m</i> 94.00		
			840 watt special	<i>m</i> 72.00		
		3	Danger signals	<i>m</i> 28.00		
Harriston.....	1,269	94	150 c.p.	<i>s</i> 19.00	1,606.50	1.27
		16	250 c.p.	<i>s</i> 24.00		
		4	100 watt	<i>m</i> 19.00		
		13	200 watt	<i>m</i> 24.00		
Harrow.....	1,032	79	150 c.p.	<i>s</i> 12.00	1,348.50	1.31
		4	100 watt	<i>m</i> 12.00		
		13	150 watt	<i>m</i> 13.50		
		29	200 watt	<i>m</i> 15.00		
Hastings.....	757	1	100 watt	<i>m</i> 12.00	1,293.73	1.71
		84	200 watt	<i>m</i> 16.50		
		65	100 watt	<i>m</i> 16.00		
Havelock.....	1,147	8	200 watt	<i>m</i> 20.00	1,512.00	1.32
			Decorative lights	<i>m</i> 108.50		
		64	100 c.p.	<i>s</i> 13.00		
Hensall.....	685	23	250 c.p.	<i>s</i> 24.00	1,008.00	1.47
		84	100 watt	<i>m</i> 12.00		
		91	150 c.p.	<i>s</i> 12.00		
Hespeler.....	2,789	22	250 c.p.	<i>s</i> 16.00	3,173.11	1.14
		15	400 c.p. stands.	<i>s</i> 30.00		
		51	150 watt	<i>m</i> 11.00		
		10	300 watt	<i>m</i> 21.50		
		7	300 watt	<i>m</i> 35.00		
			stands—Park			
		11	250 watt	<i>m</i> 19.50		
Highgate.....	362	6	250 watt stands.	<i>m</i> 26.00	567.00	1.57
		40	100 watt	<i>m</i> 11.00		
		6	200 watt	<i>m</i> 17.00		
		1	300 watt	<i>m</i> 25.00		

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STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1939; showing Rate per Lamp, Cost to Municipality in 1939, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps		Interim rate per lamp per annum	Cost to municipality in 1939	Cost per capita
Holstein.....		15	100 watt	<i>m</i>	\$ c. 25.00	\$ c. 375.00	\$ c. **
Humberstone...	2,738	{ 109 16	100 watt 200 watt	<i>m</i> <i>m</i>	12.50 17.50	1,642.50	0.60
Huntsville.....	2,770	{ 4 52 10 68 34	100 c.p. 150 c.p. 250 c.p. 75 watt 500 watt	<i>s</i> <i>s</i> <i>s</i> <i>m</i> <i>m</i>	12.00 16.00 20.00 10.00 30.00	2,780.00	1.00
Ingersoll.....	5,177	{ 336 2 26 2 13 12	100 c.p. 600 c.p. 1,000 c.p. 1,000 c.p. (church) 100 c.p. (6 mos.) 300 watt	<i>s</i> <i>s</i> <i>s</i> <i>s</i> <i>s</i> <i>m</i>	10.00 28.00 35.00 25.00 5.50 30.00	4,832.39	††
Jarvis.....	519	78	100 watt	<i>m</i>	11.00	858.00	1.65
Kemptville.....	1,218	{ 78 17 1	100 watt 150 watt 250 watt	<i>m</i> <i>m</i> <i>m</i>	18.00 21.00 25.00	1,772.50	1.46
Kincardine.....	2,464	{ 165 30 39 1	100 c.p. 100 watt 200 watt 1,000 watt	<i>s</i> <i>m</i> <i>m</i> <i>m</i>	18.00 13.00 23.00 80.00	4,297.00	1.74
Kingston.....	23,355	{ 105 1 266 258	100 c.p. 250 c.p. 600 c.p. 600 c.p.	<i>s</i> <i>s</i> <i>s</i> <i>s</i>	12.00 25.00 35.00 46.00	20,925.33	0.90
Kingsville.....	2,359	{ 112 25 126	150 c.p. 250 c.p. 100 watt	<i>s</i> <i>s</i> <i>m</i>	10.50 15.00 10.50	2,872.24	††
Kirkfield.....		24	100 watt	<i>m</i>	20.00	480.00	**
Kitchener.....	33,080	{ 2,082 163 18 47 212 462 58 109	80 c.p. 250 c.p. 1,000 c.p. 16 c.p. Fire alarm 100 watt 200 watt 300 watt 500 watt	<i>s</i> <i>s</i> <i>s</i> <i>s</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i>	8.00 13.00 25.00 7.00 9.00 14.00 17.50 25.00	31,609.70	††
Lakefield.....	1,308	114	100 watt	<i>m</i>	15.00	1,726.22	1.32
Lambeth.....		{ 11 20	100 watt 300 watt	<i>m</i> <i>m</i>	11.00 31.00	741.00	**
Lanark.....	723	41	100 watt	<i>m</i>	13.00	533.00	0.74
Lancaster.....	511	{ 41 1	100 watt 200 watt	<i>m</i> <i>m</i>	15.00 25.00	640.00	1.25

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STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1939; showing
Rate per Lamp, Cost to Municipality in 1939, and Cost per Capita.

Municipality	Popula- tion	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1939	Cost per capita
La Salle.....	882	67	100 watt <i>m</i>	\$ c. 12.00	\$ c. 804.00	\$ c. 0.91
Leamington.....	5,630	<div> <div>175</div> <div>4</div> <div>190</div> <div>5</div> </div>	<div> <div>250 c.p. <i>s</i></div> <div>600 c.p. <i>s</i></div> <div>100 watt <i>m</i></div> <div>200 watt <i>m</i></div> </div>	<div> <div>15.00</div> <div>25.00</div> <div>13.00</div> <div>17.00</div> </div>	5,300.96	††
Lindsay.....	7,138	<div> <div>420</div> <div>25</div> <div>2</div> </div>	<div> <div>100 c.p. <i>s</i></div> <div>1,000 c.p. <i>s</i></div> <div>1,000 c.p. (cenotaph) <i>s</i></div> </div>	<div> <div>11.00</div> <div>60.00</div> <div>60.00</div> </div>	6,446.45	0.90
Listowel.....	2,773	<div> <div>310</div> <div>10</div> <div>31</div> </div>	<div> <div>100 watt <i>m</i></div> <div>200 watt <i>m</i></div> <div>500 watt <i>m</i></div> </div>	<div> <div>11.00</div> <div>25.00</div> <div>35.00</div> </div>	4,659.96	††
London.....	73,846	<div> <div>8</div> <div>1,542</div> <div>125</div> <div>234</div> <div>33</div> <div>175</div> <div>2</div> <div>528</div> <div>7</div> <div>43</div> <div>4</div> <div>12</div> <div>66</div> <div>621</div> <div>40</div> <div>124</div> <div>46</div> <div>1</div> </div>	<div> <div>150 c.p. <i>s</i></div> <div>150 c.p. <i>s</i></div> <div>400 c.p. <i>s</i></div> <div>400 c.p. <i>s</i></div> <div>500 c.p. <i>s</i></div> <div>600 c.p. <i>s</i></div> <div>50 watt <i>m</i></div> <div>100 watt <i>m</i></div> <div>100 watt <i>m</i></div> <div>150 watt <i>m</i></div> <div>200 watt <i>m</i></div> <div>200 watt <i>m</i></div> <div>300 watt <i>m</i></div> <div>300 watt <i>m</i></div> <div>500 watt <i>m</i></div> <div>500 watt <i>m</i></div> <div>750 watt stands. <i>m</i></div> </div>	<div> <div>10.00</div> <div>11.00</div> <div>18.00</div> <div>24.00</div> <div>28.00</div> <div>30.00</div> <div>5.00</div> <div>10.00</div> <div>11.00</div> <div>14.00</div> <div>12.00</div> <div>9.34</div> <div>14.00</div> <div>18.00</div> <div>20.00</div> <div>35.00</div> <div>40.00</div> <div>50.00</div> </div>	55,975.40	††
London Twp.....		<div> <div>63</div> <div>6</div> <div>1</div> <div>10</div> <div>1</div> </div>	<div> <div>100 watt <i>m</i></div> <div>100 watt <i>m</i></div> <div>200 watt <i>m</i></div> <div>300 watt <i>m</i></div> <div>300 watt <i>m</i></div> </div>	<div> <div>12.00</div> <div>21.50</div> <div>16.50</div> <div>30.00</div> <div>31.00</div> </div>	1,232.50	**
Long Branch....	4,140	<div> <div>197</div> <div>113</div> </div>	<div> <div>100 watt <i>m</i></div> <div>200 watt <i>m</i></div> </div>	<div> <div>13.00</div> <div>17.50</div> </div>	4,543.86	1.10
Lucan.....	610	<div> <div>59</div> <div>21</div> </div>	<div> <div>100 watt <i>m</i></div> <div>300 watt stands. <i>m</i></div> </div>	<div> <div>14.00</div> <div>33.00</div> </div>	1,261.33	2.07
Lucknow.....	1,034	<div> <div>63</div> <div>17</div> </div>	<div> <div>100 watt <i>m</i></div> <div>200 watt <i>m</i></div> </div>	<div> <div>18.00</div> <div>28.00</div> </div>	1,610.00	1.56
Lynden.....		44	100 watt <i>m</i>	10.00	440.00	**
Madoc.....	1,108	<div> <div>344</div> <div>63</div> </div>	<div> <div>25 watt <i>m</i></div> <div>100 watt <i>m</i></div> </div>	<div> <div>3.00</div> <div>5.00</div> </div>	1,347.00	1.22
Markdale.....	781	<div> <div>81</div> <div>11</div> </div>	<div> <div>100 watt <i>m</i></div> <div>100 c.p. <i>s</i></div> </div>	<div> <div>10.00</div> <div>10.00</div> </div>	920.00	1.18
Markham.....	1,153	119	100 watt <i>m</i>	12.00	1,428.00	1.24

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STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1939; showing Rate per Lamp, Cost to Municipality in 1939, and Cost per Capita.

Municipality	Popula- tion	Number of lamps	Size and style of lamps		Interim rate per lamp per annum	Cost to municipality in 1939	Cost per capita
					\$ c.	\$ c.	\$ c.
Marmora.....	995	{ 44 24 19	75 watt 100 watt 150 watt	<i>m</i> <i>m</i> <i>m</i>	13.00 16.00 18.00	1,298.00	1.30
Martintown....		16	100 watt	<i>m</i>	11.00	172.33	**
Maxville.....	758	67	150 c.p.	<i>s</i>	18.00	1,199.25	1.58
Meaford.....	2,811	{ 188 28 35	150 c.p. 100 watt 200 watt	<i>s</i> <i>m</i> <i>m</i>	11.00 11.00 19.00	3,040.92	1.08
Merlin.....		{ 46 1 2	100 watt Decorative string Floodlights	<i>m</i> <i>m</i> <i>m</i>	15.00 51c. per 100 watts per month	705.72	**
Merritton.....	2,656	{ 312 26	100 watt 200 watt	<i>m</i> <i>m</i>	9.00 21.00	3,354.00	1.26
Midland.....	6,669	{ 328 52 8 30 36	150 c.p. 100 watt ‡300 watt (6 mos.) 300 watt 500 watt	<i>s</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i>	11.00 11.00 12.00 22.00 40.00	6,376.00	0.96
Mildmay.....	754	{ 46 11	100 watt 150 watt	<i>m</i> <i>m</i>	10.00 16.00	699.04	0.93
Millbrook.....	737	{ 34 20 3	60 watt 100 watt 300 watt	<i>m</i> <i>m</i> <i>m</i>	13.50 16.00 25.00	867.60	1.18
Milton.....	1,848	{ 125 25	100 watt 300 watt	<i>m</i> <i>m</i>	9.50 30.00	1,937.52	1.05
Milverton.....	1,010	{ 99 12	100 watt 200 watt	<i>m</i> <i>m</i>	9.00 12.00	1,035.00	1.02
Mimico.....	7,012	{ 319 73 111	100 watt 200 watt 300 watt	<i>m</i> <i>m</i> <i>m</i>	12.00 20.00 26.00	7,942.16	1.13
Mitchell.....	1,615	{ 196 27	150 c.p. 300 watt	<i>s</i> <i>m</i>	9.00 29.00	2,547.00	1.58
Moorefield.....		25	100 watt	<i>m</i>	14.00	350.00	**
Morrisburg.....	1,853	228	100 watt	<i>m</i>	12.00	2,736.00	1.48
Mount Brydges.....		{ 47 1 17	100 watt 200 watt 200 watt orn.	<i>m</i> <i>m</i> <i>m</i>	10.00 17.00 21.00	844.00	**
Mount Forest...	1,840	{ 162 37 3 6	100 watt 150 watt 200 watt 300 watt	<i>m</i> <i>m</i> <i>m</i> <i>m</i>	10.00 13.00 15.00 20.00	2,171.25	1.18

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‡Dock lights owned by Dominion Government.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1939; showing
Rate per Lamp, Cost to Municipality in 1939, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps		Interim rate per lamp per annum	Cost to municipality in 1939	Cost per capita
					\$ c.	\$ c.	\$ c.
Napane.....	3,148	156	100 watt	<i>m</i>	12.00	4,213.00	1.34
		2	250 watt	<i>m</i>	28.00		
		2	250 watt	<i>m</i>	30.00		
		40	300 watt	<i>m</i>	34.00		
		5	300 watt stands.	<i>m</i>	27.00		
		21	400 watt clusters	<i>m</i>	36.00		
Neustadt.....	455	39	150 c.p.	<i>s</i>	20.00	780.00	1.71
Newbury.....	288	47	100 watt	<i>m</i>	15.00	705.00	2.45
Newcastle.....	700	51	60 watt	<i>m</i>	12.00	650.84	0.93
		2	100 watt	<i>m</i>	15.00		
New Hamburg..	1,458	165	100 watt	<i>m</i>	9.00	2,217.00	1.52
		61	200 watt	<i>m</i>	12.00		
New Toronto...	7,140	103	75 watt	<i>m</i>	13.00	7,495.84	1.05
		8	150 watt	<i>m</i>	15.50		
		16	200 watt	<i>m</i>	17.00		
		126	300 watt	<i>m</i>	24.00		
		14	300 watt	<i>m</i>	22.00		
		107	300 watt	<i>m</i>	21.00		
		3	1,000 watt (floodlight)	<i>m</i>	52.00		
Niagara Falls...	18,928	838	100 c.p.	<i>s</i>	11.00	27,533.38	1.45
		13	250 c.p.	<i>s</i>	13.00		
		65	600 c.p.	<i>s</i>	18.00		
		284	600 c.p. orn.	<i>s</i>	37.00		
		196	1,000 c.p. orn.	<i>s</i>	42.00		
		1	100 watt	<i>m</i>	11.00		
Niagara-on-the-Lake.....	1,670	212	100 watt	<i>m</i>	11.00	3,483.02	2.08
		5	200 watt	<i>m</i>	18.00		
		58	300 watt	<i>m</i>	20.00		
Nipigon.....		34	100 watt	<i>m</i>	11.00	593.00	**
		9	200 watt	<i>m</i>	21.00		
North York Twp.....		82	100 watt	<i>m</i>	12.00	4,039.93	**
		20	100 watt	<i>m</i>	13.00		
		45	100 watt	<i>m</i>	13.50		
		11	100 watt	<i>m</i>	15.00		
		2	100 watt	<i>m</i>	15.50		
		10	100 watt	<i>m</i>	16.50		
		11	100 watt	<i>m</i>	17.70		
		1	100 watt	<i>m</i>	18.00		
		1	100 watt	<i>m</i>	19.00		
		65	200 watt	<i>m</i>	23.00		
		1	400 watt (floodlight)	<i>m</i>	31.00		
		2	1,000 watt (floodlight)	<i>m</i>	65.00		
		1	100 watt (Police sign)	<i>m</i>	12.00		

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STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1939; showing Rate per Lamp, Cost to Municipality in 1939, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1939	Cost per capita
Norwich.....	1,365	{ 112 28	100 watt 400 watt	<i>m</i> <i>m</i>	\$ c. 10.00 35.00	\$ c. 2,100.00 1.54
Norwood.....	710	{ 77 10	100 c.p. 250 c.p.	<i>s</i> <i>s</i>	18.00 21.00	1,612.90 2.27
Oil Springs.....	514	{ 41 1	100 watt 300 watt (6 mos.)	<i>m</i> <i>m</i>	18.00 30.00	768.00 1.49
Omeme.....	553	{ 50 4 10	100 c.p. 100 watt 250 watt	<i>s</i> <i>m</i> <i>m</i>	14.00 12.50 28.00	1,030.08 1.86
Orangeville.....	2,660	{ 98 50 38	150 c.p. 250 c.p. 300 watt	<i>s</i> <i>s</i> <i>m</i>	10.00 16.00 23.00	2,793.30 1.05
Oshawa.....	24,756	{ 859 51 112 30 1	100 c.p. 100 watt 150 watt 200 watt 500 watt	<i>s</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i>	11.00 12.00 13.00 18.00 27.00	12,070.66 0.49
Ottawa.....	144,202	{ 351 870 892 59 779 44 2,795 30	100 c.p. 400 c.p. 600 c.p. Arcs 100 watt 500 watt 100 watt (Whiteway) 100 watt	<i>s</i> <i>s</i> <i>s</i> <i>s</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i>	7.00 25.00 35.00 45.00 6.00 35.00 48c. per foot 5½c. per foot	78,778.41 0.55
Otterville.....	.....	{ 59 13	100 watt 200 watt	<i>m</i> <i>m</i>	11.00 16.00	847.38 **
Owen Sound.....	13,411	{ 450 342 16 47	150 c.p. 400 c.p. 600 c.p. 1,000 c.p.	<i>s</i> <i>s</i> <i>s</i> <i>s</i>	11.00 14.00 21.00 35.00	11,784.50 0.88
Paisley.....	729	90	100 watt	<i>m</i>	13.00	1,170.00 1.60
Palmerston.....	1,406	{ 66 1 11 25 9 4 19 1 32	80 c.p. 400 c.p. 60 watt 100 watt 150 watt 250 watt 300 watt 500 watt 300 watt stands.	<i>s</i> <i>s</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i>	9.00 25.00 9.00 10.00 10.00 25.00 25.00 35.00 30.00	2,628.00 1.87
Paris.....	4,369	{ 477 10 34 2	100 c.p. 400 watt 500 watt 60 watt	<i>s</i> <i>m</i> <i>m</i> <i>m</i>	8.50 28.00 35.00 7.00	5,586.49 1.28

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STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1939; showing
Rate per Lamp, Cost to Municipality in 1939, and Cost per Capita.

Municipality	Popula- tion	Number of lamps	Size and style of lamps		Interim rate per lamp per annum	Cost to municipality in 1939	Cost per capita
					\$ c.	\$ c.	\$ c.
Parkhill.....	900	{ 88 15	100 watt 200 watt	<i>m</i> <i>m</i>	14.00 23.00	1,577.04	1.75
Penetanguishene.	4,094	{ 192 1 6 4	150 c.p. 200 watt 300 watt 100 watt	<i>s</i> <i>m</i> <i>m</i> <i>m</i>	11.00 15.00 20.00 11.00	2,291.00	0.56
Perth.....	4,174	{ 82 15 7 19	100 c.p. 250 c.p. 400 c.p. 600 c.p.	<i>s</i> <i>s</i> <i>s</i> <i>s</i>	17.00 27.00 30.00 45.00	2,841.50	0.68
Peterborough...	23,984	{ 122 373 607 85	60 watt 100 watt 300 watt 300 watt orn.	<i>m</i> <i>m</i> <i>m</i> <i>m</i>	12.00 13.00 20.00 45.00	22,268.00	0.93
Petrolia.....	2,747	{ 151 24	150 c.p. 600 c.p.	<i>s</i> <i>s</i>	12.00 43.00	2,839.00	1.03
Picton.....	3,439	{ 322 3 29	100 c.p. 250 c.p. 600 c.p.	<i>s</i> <i>s</i> <i>s</i>	9.00 15.00 31.00	3,672.19	1.07
Plattsville.....		34	100 watt	<i>m</i>	12.00	408.00	**
Point Edward...	1,177	{ 103 15 4	150 c.p. 250 c.p. 400 c.p.	<i>s</i> <i>s</i> <i>s</i>	13.00 20.00 22.00	1,666.34	1.42
Port Arthur.....	20,872	{ 2,709 232 208	100 watt 300 watt 500 watt	<i>m</i> <i>m</i> <i>m</i>	5.00 10.00 15.00	19,590.56	0.94
Port Colborne...	6,503	{ 15 78 227 34 132	400 c.p. 600 c.p. 100 watt 100 watt 200 watt	<i>s</i> <i>s</i> <i>m</i> <i>m</i> <i>m</i>	25.00 30.00 14.00 12.00 18.00	8,336.37	††
Port Credit.....	1,901	283	100 watt	<i>m</i>	9.50	2,669.60	1.40
Port Dalhousie..	1,590	{ 129 2	100 watt 200 watt	<i>m</i> <i>m</i>	12.00 15.00	1,578.00	0.99
Port Dover.....	1,705	{ 204 15 34 4 236	100 watt 300 watt 100 watt (Summer) 300 watt (Summer) 25 watt (Decorative)	<i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i>	10.00 18.00 6.00 10.00 67c. per 100 watts per month	2,712.12	1.59
Port Elgin.....	1,321	{ 223 120 26	100 watt (4 mos.) 100 watt 200 watt	<i>m</i> <i>m</i> <i>m</i>	14.00 14.00 22.00	2,732.72	2.07

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STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1939; showing
Rate per Lamp, Cost to Municipality in 1939, and Cost per Capita.

Municipality	Popula- tion	Number of lamps	Size and style of lamps		Interim rate per lamp per annum	Cost to municipality in 1939	Cost per capita
Port Hope.....	4,724	{ 402 2	100 c.p. 250 c.p.	<i>s</i> <i>s</i>	\$ c. 10.00 22.00	\$ c. 4,004.76	\$ c. 0.85
Port McNicoll..	905	{ 66 18	100 watt 200 watt	<i>m</i> <i>m</i>	10.00 16.00	938.00	1.04
Port Perry.....	1,128	{ 91 10	100 watt 300 watt	<i>m</i> <i>m</i>	15.00 30.00	1,665.00	1.48
Port Rowan....	556	56	100 watt	<i>m</i>	15.00	867.16	1.56
Port Stanley....	737	{ 217 8	100 watt 200 watt	<i>m</i> <i>m</i>	11.00 14.00	2,452.30	3.33
Prescott.....	2,925	{ 218 78	100 watt 200 watt	<i>m</i> <i>m</i>	10.00 17.00	3,644.70	1.25
Preston.....	6,422	{ 135 216 9 40 6	150 c.p. 100 watt 250 watt 500 watt 500 watt stands.	<i>s</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i>	11.00 11.00 20.00 32.00 35.00	5,523.67	0.86
Priceville.....		16	100 watt	<i>m</i>	30.00	480.00	**
Princeton.....		39	100 watt	<i>m</i>	12.00	468.00	**
Queenston.....		20	100 watt	<i>m</i>	16.00	312.03	**
Richmond.....	403	26	100 watt	<i>m</i>	15.00	390.00	0.97
Richmond Hill..	1,317	{ 100 19 9	75 watt 100 watt 200 watt	<i>m</i> <i>m</i> <i>m</i>	11.00 12.00 16.00	1,470.00	1.12
Ridgetown.....	1,958	{ 182 1 89 17 2 2 20	150 c.p. 1,000 c.p. 100 watt 200 watt 200 watt orn. 250 watt 500 watt	<i>s</i> <i>s</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i>	8.50 38.00 8.50 16.00 16.00 18.00 33.00	3,534.79	††
Ripley.....	442	{ 43 2	100 watt 200 watt	<i>m</i> <i>m</i>	20.00 35.00	1,073.14	2.43
Riverside.....	5,090	{ 276 83 7 4	75 watt 150 watt 200 watt 300 watt	<i>m</i> <i>m</i> <i>m</i> <i>m</i>	9.00 13.00 15.00 18.50	3,567.74	††
Rockwood.....		88	100 watt	<i>m</i>	9.00	789.75	**
Rodney.....	695	{ 69 23	100 watt 300 watt Decorative lights	<i>m</i> <i>m</i> <i>m</i>	10.00 25.00 20.71	1,285.71	1.85
Rosseau.....	305	47	100 watt	<i>m</i>	30.00	1,410.00	4.62

**Population not shown in Government statistics. *s* Series system. *m* Multiple system.

††Certain additional street lighting costs for special service are paid direct in form of debenture charges.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1939; showing Rate per Lamp, Cost to Municipality in 1939, and Cost per Capita.

Municipality	Popula- tion	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1939	Cost per capita
Russell.....		49	100 watt <i>m</i>	\$ c. 16.00	\$ c. 784.00	\$ c. **
		{ 2,334	100 watt <i>m</i>	8.00		
		19	100 watt orn. <i>m</i>	10.00		
		157	200 watt <i>m</i>	11.00		
		71	200 watt orn. <i>m</i>	20.00		
St. Catharines...	27,647	5	200 watt <i>m</i>	14.00	26,669.12	††
		5	500 watt <i>m</i>	20.00		
		106	500 watt orn. <i>m</i>	34.00		
		17	500 watt (bridge) <i>m</i>	20.00		
		11	1,000 watt <i>m</i>	40.00		
St. George.....		{ 39	100 watt <i>m</i>	10.00	427.91	**
		1	750 watt <i>m</i>	38.00		
St. Jacobs.....		43	100 watt <i>m</i>	10.00	430.00	**
St. Marys.....	4,033	{ 235	100 c.p. <i>s</i>	10.50	4,890.50	1.21
		106	250 c.p. <i>s</i>	14.00		
		20	150 watt <i>m</i>	12.00		
		32	300 watt <i>m</i>	22.00		
		{ 1,105	100 c.p. <i>s</i>	9.00	14,905.92	††
		28	250 c.p. <i>s</i>	13.00		
		2	600 c.p. <i>s</i>	32.00		
		114	600 c.p. <i>s</i>	34.00		
St. Thomas.....	16,352	7	60 watt (5 mos.) <i>m</i>	3.00		
		6	60 watt <i>m</i>	4.50		
		30	100 watt (5 mos.) <i>m</i>	5.00		
		2	100 watt <i>m</i>	10.00		
		22	300 watt <i>m</i>	22.00		
		{ 1,073	150 c.p. <i>s</i>	12.00	20,424.23	††
		55	250 c.p. <i>s</i>	16.50		
		72	400 c.p. <i>s</i>	22.00		
		77	600 c.p. <i>s</i>	35.00		
Sarnia.....	18,269	14	600 c.p. <i>s</i>	45.00		
		7	100 watt <i>m</i>	12.00		
		8	150 watt <i>m</i>	16.50		
		5	250 watt <i>m</i>	22.00		
		14	300 watt <i>m</i>	32.00		
		{ 210	100 c.p. <i>s</i>	12.00	15,713.43	**
		10	Empty sockets <i>s</i>	9.00		
		4	250 c.p. <i>s</i>	17.00		
		20	40 watt <i>m</i>	12.00		
		2	60 watt <i>m</i>	18.00		
		436	100 watt <i>m</i>	12.00		
		22	Empty sockets <i>m</i>	9.00		
Scarboro Twp....		12	200 watt <i>m</i>	17.00		
		21	200 watt <i>m</i>	21.00		
		171	300 watt <i>m</i>	24.00		
		5	300 watt <i>m</i>	26.00		
		134	Empty sockets <i>m</i>	14.50		
		2	100 watt <i>m</i>	11.50		
		11	100 watt <i>m</i>	17.50		
		9	200 watt <i>m</i>	15.50		

**Population not shown in Government statistics. *s* Series system. *m* Multiple system.

††Certain additional street lighting costs for special service are paid direct in form of debenture charges.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1939; showing
Rate per Lamp, Cost to Municipality in 1939, and Cost per Capita.

Municipality	Popula- tion	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1939	Cost per capita
				\$ c.	\$ c.	\$ c.
Seaforth.....	1,705	{ 123 19 16	100 c.p. 300 watt 300 watt orn.	<i>s</i> <i>m</i> <i>m</i> 9.50 25.00 29.00	2,107.50	1.24
Shelburne.....	1,043	98	150 c.p.	<i>s</i> 9.00	875.25	0.84
Simcoe.....	6,052	{ 289 11 13 27 11 8 6 1 1	100 c.p. 250 c.p. 400 c.p. 1,000 c.p. 150 watt 200 watt 200 watt orn. 500 watt 1,000 watt	<i>s</i> <i>s</i> <i>s</i> <i>s</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> 11.00 15.00 18.00 40.00 11.00 15.00 24.00 53.00 60.00	4,986.96	††
Smiths Falls....	7,672	{ 18 101 2 267	50 watt 100 watt 200 watt 300 watt	<i>m</i> <i>m</i> <i>m</i> <i>m</i> 9.00 14.00 20.00 22.00	7,489.92	0.98
Southampton...	1,441	{ 114 55 50 1	100 watt 250 watt 60 watt (3 mos.) Decorative string	<i>m</i> <i>m</i> <i>m</i> <i>m</i> 12.00 17.00 12.00 36.00	2,456.68	1.70
Springfield.....	378	{ 53 3	100 watt 100 watt	<i>m</i> <i>m</i> 11.00 9.50	611.50	1.62
Stamford Twp.....	893		100 watt	<i>m</i> 9.00	7,857.75	**
Stayner.....	1,043	{ 81 20	100 c.p. 200 watt	<i>s</i> <i>m</i> 10.00 16.00	1,130.00	1.08
Stirling.....	960	{ 107 2 15	150 watt 300 watt 500 watt	<i>m</i> <i>m</i> <i>m</i> 10.00 24.75 32.50	1,607.04	1.67
Stouffville.....	1,160	127	100 watt	<i>m</i> 12.00	1,524.00	1.31
Stratford.....	17,159	{ 891 81 131 11 49 2 4	100 c.p. 600 c.p. 600 c.p. 1,000 c.p. 1,000 c.p. 100 watt 500 watt	<i>s</i> <i>s</i> <i>s</i> <i>s</i> <i>s</i> <i>m</i> <i>m</i> 10.00 25.00 30.00 35.00 34.00 10.00 34.00	16,887.79	0.98
Strathroy.....	2,917	{ 303 21 17	100 c.p. 250 c.p. 600 watt	<i>s</i> <i>s</i> <i>m</i> 9.00 15.00 62.00	4,078.79	1.40

**Population not shown in Government statistics. *s* Series system. *m* Multiple system.

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STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1939; showing Rate per Lamp, Cost to Municipality in 1939, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1939	Cost per capita
Streetsville.	700	{ 42 28 13	100 watt <i>m</i> 200 watt <i>m</i> 300 watt <i>m</i> Decorative lighting <i>m</i>	\$ c. 9.50 11.50 16.50 70.00	\$ c. 1,005.50	\$ c. 1.44
Sudbury.	26,463	{ 759 120 10 42 10 43 45 49	100 c.p. <i>s</i> 250 c.p. <i>s</i> 600 c.p. <i>s</i> 600 c.p. stands. <i>s</i> 1,000 c.p. <i>s</i> 1,000 c.p. stands. <i>s</i> 1,500 c.p. <i>s</i> 1,800 c.p. mercury vapor <i>s</i>	12.00 16.00 28.00 50.00 35.00 57.00 65.00 65.00	21,907.37	0.83
Sunderland.		{ 29 4	100 watt <i>m</i> 500 watt <i>m</i>	20.00 35.00	720.00	**
Sutton.	852	{ 128 27 38	100 watt <i>m</i> 200 watt <i>m</i> Decorative strings (3 mos.) <i>m</i>	13.00 17.00 13.00	2,148.85	2.52
Swansea.	5,831	{ 226 59	100 watt <i>m</i> 200 watt <i>m</i>	12.00 19.00	3,750.20	0.64
Tara.	474	{ 61 17	100 watt <i>m</i> 300 watt <i>m</i>	10.00 30.00	1,168.00	2.46
Tavistock.	1,063	{ 85 39	100 watt <i>m</i> 200 watt <i>m</i>	10.00 12.00	1,317.60	1.24
Tecumseh.	2,237	{ 18 76 1	400 c.p. <i>s</i> 100 watt <i>m</i> 300 watt <i>m</i>	22.00 12.00 24.00	1,299.00	††
Teeswater.	842	{ 48 15	100 c.p. <i>s</i> 250 c.p. <i>s</i>	13.00 26.00	1,118.00	1.33
Thamesford.		48	100 watt <i>m</i>	11.00	528.00	**
Thamesville.	833	{ 69 34 7 1	100 watt <i>m</i> 200 watt <i>m</i> 200 watt orn. <i>m</i> 250 watt <i>m</i>	9.00 14.00 18.00 17.50	1,367.98	1.64
Thedford.	595	70	100 watt <i>m</i>	15.00	1,050.00	1.76
Thorndale.		32	100 watt <i>m</i>	12.00	384.00	**
Thornton.		25	100 watt <i>m</i>	25.00	566.67	**
Thorold.	5,001	{ 403 2 35 2	75 watt <i>m</i> 100 watt <i>m</i> 200 watt <i>m</i> 300 watt <i>m</i>	7.50 8.00 12.00 15.00	3,488.42	0.70

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STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1939; showing Rate per Lamp, Cost to Municipality in 1939, and Cost per Capita.

Municipality	Popula- tion	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1939	Cost per capita
				\$ c.	\$ c.	\$ c.
Tilbury.....	1,980	{ 107 25 140	100 watt 200 watt 25 watt	<i>m</i> 12.00 <i>m</i> 20.00 <i>m</i> 38c. per 100 watts per month)	1,809.89	0.91
Tillsonburg.....	3,945	{ 285 1 12 44 1	100 c.p. 250 c.p. 300 watt 500 watt Traffic light	<i>s</i> 9.50 <i>s</i> 13.00 <i>m</i> 32.00 <i>m</i> 42.00 <i>m</i> 18.36	5,064.66	1.28
			Decorative lighting	<i>m</i> 120.00)		
Toronto.....	647,803	{ 46,387 4,161 1,435 191 391 354 153	100 watt 200 watt 300 watt 500 watt 1-lt. stds. 300 w. 1-lt. stds. 500 w. 5-lt. stds. 100 w.	<i>m</i> 8.00-10.00 <i>m</i> 14.00-20.00 <i>m</i> 20.00-25.00 <i>m</i> 35.00-40.00 <i>m</i> 40.00 <i>m</i> 47.50 <i>m</i> 47.50)	509,960.02	0.79
Toronto Twp.....		{ 432 1	100 watt Intersection light	<i>m</i> 11.50 <i>m</i> 43.20)	4,922.88	**
Tottenham.....	557	49	150 c.p.	<i>s</i> 18.00	882.00	1.58
Trenton.....	6,833	{ 48 308 1 53	600 c.p. 100 watt 500 watt 200 watt	<i>s</i> 63.00 <i>m</i> 10.50 <i>m</i> 63.00 <i>m</i> 15.00)	6,964.13	1.02
Tweed.....	1,228	{ 134 2	100 c.p. 100 c.p. (special)	<i>s</i> 15.00 <i>s</i> 20.00)	2,023.71	1.65
Uxbridge.....	1,509	{ 132 6 1 1 3	100 watt 100 watt (5 mos.) 200 watt 200 watt (5 mos.) 300 watt	<i>m</i> 11.00 <i>m</i> 8.00 <i>m</i> 16.00 <i>m</i> 11.00 <i>m</i> 20.00)	1,587.00	1.05
Victoria Harbor..	1,023	78	100 watt	<i>m</i> 8.50	663.00	0.65
Walkerton.....	2,463	{ 120 40 1 8	150 c.p. 250 c.p. 50 watt 100 watt	<i>s</i> 14.00 <i>s</i> 24.50 <i>m</i> 6.00 <i>m</i> 14.00	2,861.28	1.16
			Decorative lights	<i>m</i> 100.00)		
Wallaceburg....	4,715	{ 222 18 56	150 c.p. 400 c.p. 300 watt	<i>s</i> 12.00 <i>s</i> 22.00 <i>m</i> 31.00)	4,634.67	0.98
Wardsville.....	236	36	100 watt	<i>m</i> 20.00	720.00	3.05
Warkworth.....		{ 42 2	100 watt 200 watt	<i>m</i> 13.00 <i>m</i> 23.00)	615.00	**

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STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1939; showing Rate per Lamp, Cost to Municipality in 1939, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps		Interim rate per lamp per annum	Cost to municipality in 1939	Cost per capita
					\$ c.	\$ c.	\$ c.
Waterdown.....	904	{ 80 8	100 watt 200 watt	<i>m</i> <i>m</i>	10.00 17.00	936.00	1.04
Waterford.....	1,216	{ 157 10 1	100 watt 200 watt 500 watt	<i>m</i> <i>m</i> <i>m</i>	8.00 15.00 25.00	1,488.00	1.22
Waterloo.....	8,524	{ 378 120 93 5 18 3 9 10 44	80 c.p. 100 c.p. 150 watt 200 watt 300 watt 500 watt 500 watt 300 watt3-lt.stds. 450 watt5-lt.stds.	<i>s</i> <i>s</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i>	8.00 10.00 10.00 12.00 21.00 30.00 35.00 25.00 36.00	7,779.70	††
Watford.....	964	{ 91 16	100 watt 300 watt	<i>m</i> <i>m</i>	12.50 31.00	1,626.16	1.69
Waubashene.....		{ 48 10	100 watt 100 watt (5 mos.)	<i>m</i> <i>m</i>	9.00 5.00	482.00	**
Welland.....	11,072	{ 177 14 466 25 6 3 6	600 c.p. orn. 600 c.p. (Park) 100 watt 200 watt 300 watt orn. 500 watt Empty sockets	<i>s</i> <i>s</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i>	30.00 30.00 11.00 18.00 30.00 28.00 18.00	11,323.13	††
Wellesley.....		60	100 watt	<i>m</i>	11.00	660.00	**
Wellington.....	916	{ 84 5	100 c.p. 150 c.p.	<i>s</i> <i>s</i>	12.00 19.00	1,087.32	1.19
West Lorne.....	837	{ 88 10	100 watt 200 watt	<i>m</i> <i>m</i>	10.00 18.00	1,060.02	1.27
Weston.....	5,099	{ 423 15 111 20 5 2	100 c.p. 100 c.p. 600 c.p. 300 watt 100 watt5-lt.stds. Municipal signs	<i>s</i> <i>s</i> <i>s</i> <i>m</i> <i>m</i> <i>m</i>	7.50 9.50 30.00 11.00 21.00 110.00	7,303.26	1.43
Westport.....	710	{ 2 70	50 watt 100 watt	<i>m</i> <i>m</i>	10.00 19.00	1,322.27	1.86
Wheatley.....	760	{ 64 42	100 watt 150 watt	<i>m</i> <i>m</i>	13.00 16.00	1,496.12	1.97
Whitby.....	3,724	{ 129 69 165 3 3	80 c.p. 100 c.p. 100 watt 150 watt 500 watt	<i>s</i> <i>s</i> <i>m</i> <i>m</i> <i>m</i>	11.00 12.00 9.50 10.00 15.00	4,087.06	1.10

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STATEMENT "C"—Concluded

Street Lighting Installation in Hydro Municipalities, December 31, 1939; showing
Rate per Lamp, Cost to Municipality in 1939, and Cost per Capita.

Municipality	Popula- tion	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1939	Cost per capita
				\$ c.	\$ c.	\$ c.
Warton.....	1,723	{ 112 26	100 watt 200 watt	<i>m</i> 14.00 <i>m</i> 23.00	2,449.30	1.42
Williamsburg.....		16	100 watt	<i>m</i> 15.00	240.00	**
Winchester.....	1,040	118	100 watt	<i>m</i> 8.00	944.00	0.91
Windermere.....	118	13	100 watt	<i>m</i> 28.00	364.00	3.08
		{ 886 99 172 4 2,435 962 748 21 27 102 3 105 35 1,493 184 223 1	100 c.p. 250 c.p. 400 c.p. 600 c.p. 100 c.p. orn. 250 c.p. orn. 400 c.p. orn. 600 c.p. orn. 1,000 c.p. orn. 100 watt 150 watt 200 watt 300 watt 100 watt orn. 150 watt orn. 200 watt orn. 300 watt orn.	<i>s</i> 11.00 <i>s</i> 15.00 <i>s</i> 19.00 <i>s</i> 26.00 <i>s</i> 13.00 <i>s</i> 17.00 <i>s</i> 21.50 <i>s</i> 29.50 <i>s</i> 39.50 <i>m</i> 8.50 <i>m</i> 11.50 <i>m</i> 13.50 <i>m</i> 19.00 <i>m</i> 10.00 <i>m</i> 13.00 <i>m</i> 15.00 <i>m</i> 21.50	103,365.38	††
Windsor.....	103,813	{ 107 25 22 8	150 c.p. 250 c.p. 200 watt Strings 200 watt ea.	<i>s</i> 17.00 <i>s</i> 30.00 <i>m</i> 30.00 <i>m</i> 45c. per 100 watts per month	3,082.50	1.45
Wingham.....	2,123	{ 94 2	100 watt 300 watt	<i>m</i> 10.00 <i>m</i> 23.00	1,114.99	1.34
Woodbridge.....	830	{ 554 11 136 4 99 1 42	100 c.p. 250 c.p. 100 watt 150 watt 300 watt 250 watt floodlight (6 mos.) 200 watt	<i>s</i> 8.00 <i>s</i> 20.00 <i>m</i> 8.00 <i>m</i> 12.00 <i>m</i> 24.00 <i>m</i> 12.00 <i>m</i> 16.00	8,500.73	0.74
Woodstock.....	11,418	{ 37 5	100 watt 500 watt	<i>m</i> 12.00 <i>m</i> 38.00	634.01	1.51
Woodville.....	421	{ 37 5	100 watt 500 watt	<i>m</i> 12.00 <i>m</i> 38.00	634.01	1.51
Wyoming.....	516	52	100 watt	<i>m</i> 15.00	780.00	1.51
Zurich.....		63	100 watt	<i>m</i> 11.00	693.00	**

**Population not shown in Government statistics. *s* Series system. *m* Multiple system.

††Certain additional street lighting costs for special service are paid direct in form of debenture charges.

STATEMENT "D"

(pages 328 to 345)

**Statistics relating to the Supply of Electrical Energy to Consumers
in Ontario Urban Municipalities Served by
The Hydro-Electric Power Commission
for the year 1939**

STATEMENT "E"

(pages 346 to 361)

**Cost of Power to Municipalities and Rates to Consumers for
Domestic Service—Commercial Light Service—Power Service
in Ontario Urban Municipalities Served by
The Hydro-Electric Power Commission
for the year 1939**

STATEMENT "D"**Statistics Relating to the Supply of Electrical Energy to
Consumers in Urban Municipalities Served by
The Hydro-Electric Power Commission**

Regarding the results of Hydro operation from the standpoint of the consumers, the following tabulation gives much useful and interesting information. For each main class of service in each urban municipal utility receiving power at cost from the Commission, Statement "D" lists the revenue, the consumption and the number of consumers, together with unit average costs and consumptions and other pertinent data.

The policy and practice of the Commission has been, and is, to make as widespread and beneficial a distribution of electrical energy as possible, and to extend to every community that can economically be reached by transmission lines, the benefit of electrical service. Even where, in certain localities, by reason of the distance from a source of supply or on account of the small quantity of power required by the municipality, the cost per horsepower to the municipality—and, consequently, the cost of service to the consumer—must unavoidably be higher than in more favourably situated communities, service has not been withheld when the consumers were able and willing to pay the cost.

The accompanying diagram summarizes graphically certain data of Statement "D" respecting the average cost to the consumer. It will be observed that the total amount of energy sold in municipalities where circumstances necessitate rates which result in the higher average costs to the consumer is relatively insignificant. With respect to power service, it should be noted that the statistics of Statement "D", and of the diagram, cover mainly retail power service supplied to the smaller industrial consumers. The average amount of power taken by the industrial consumers served by the municipalities is about 45 horsepower. The Commission serves certain large power consumers direct on behalf of the various systems of municipalities.

It should be kept in mind that the revenues reported in Statement "D," and used for purposes of calculating the net unit costs to the consumer, are the total revenues contributed by the consumers, and provide, in addition to the cost of power, sums specifically applicable to the retirement of capital, and also operating surplus which is in part applied to retirement of capital or extension of plant and is in part returned in cash to the consumers.

It should also be noted that average costs per kilowatt-hour or per horsepower if employed indiscriminately as a criterion by means of which to compare the rates or prices for electrical service in various municipalities, will give misleading results. The average costs per kilowatt-hour, as given in Statement "D" for respective classes of service in each municipality, are statistical results obtained by dividing the respective revenues by the aggregate kilowatt-hours sold. As such, the data reflect the combined influence of a number of factors, of which the rates or prices to consumers are but one factor. Owing to the varying influence of factors other than the rates, it is seldom found that in any two municipalities the average cost per kilowatt-hour to the consumers, even of the same classification, is in proportion to the respective rates for service. Instances even occur where for a class of consumers in one municipality, the average costs per kilowatt-hour are substantially lower than for the same class in another municipality, even though the rates are higher.

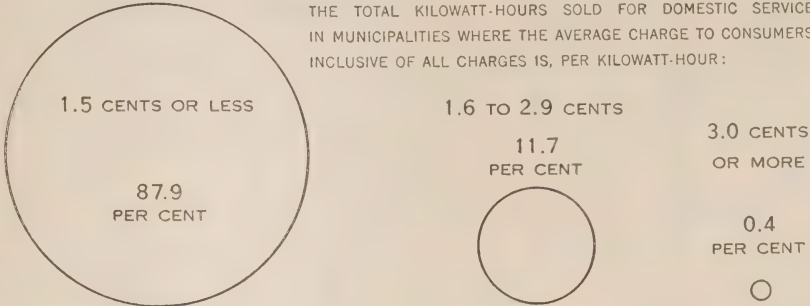
COST OF ELECTRICAL SERVICE

IN MUNICIPALITIES SERVED BY

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

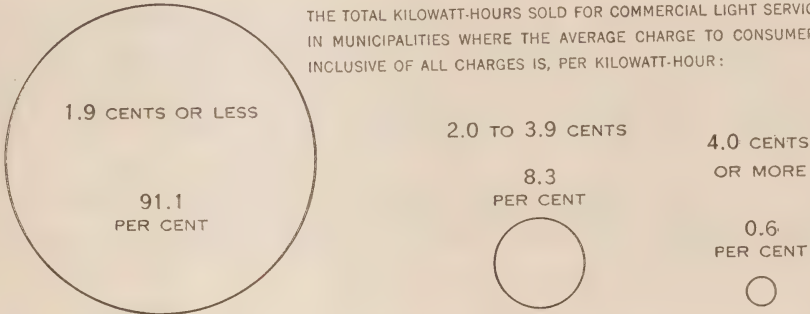
DOMESTIC SERVICE

THE AREAS OF THE CIRCLES REPRESENT PROPORTIONATELY THE TOTAL KILOWATT-HOURS SOLD FOR DOMESTIC SERVICE IN MUNICIPALITIES WHERE THE AVERAGE CHARGE TO CONSUMERS INCLUSIVE OF ALL CHARGES IS, PER KILOWATT-HOUR:



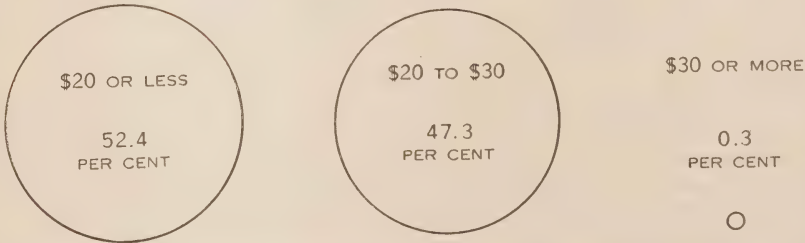
COMMERCIAL LIGHT SERVICE

THE AREAS OF THE CIRCLES REPRESENT PROPORTIONATELY THE TOTAL KILOWATT-HOURS SOLD FOR COMMERCIAL LIGHT SERVICE IN MUNICIPALITIES WHERE THE AVERAGE CHARGE TO CONSUMERS INCLUSIVE OF ALL CHARGES IS, PER KILOWATT-HOUR:



POWER SERVICE SUPPLIED BY MUNICIPALITIES

THE AREAS OF THE CIRCLES REPRESENT PROPORTIONATELY THE AGGREGATE HORSEPOWER SOLD FOR POWER SERVICE IN MUNICIPALITIES WHERE THE AVERAGE CHARGE TO CONSUMERS INCLUSIVE OF ALL CHARGES IS, PER HORSEPOWER PER YEAR:



With respect to domestic service, for example, instances may be observed where two municipalities have identical prices or rates for domestic service, but the average cost per kilowatt-hour to the consumer varies by as much as 50 per cent or more. Such variations are due principally to differences in the extent of utilization of the service for the operation of electric ranges, water heaters and other appliances, an indication of which is afforded by the statistics of average monthly consumption.

In the case of power service, average unit costs are still less reliable as an indication of the relative rates for service in different municipalities. In the case of hydro-electric power supplied to industries at cost, the rate schedules incorporate charges both for demand and for energy consumption, and thus, although the quantity of power taken by a consumer—that is, the demand as measured in horsepower—is the most important factor affecting costs and revenues, it is not the only one. The number of hours the power is used in the month or year—which, in conjunction with the power, determines the energy consumption, as measured in kilowatt-hours—also affects the costs and revenues. Consequently, in two municipalities charging the same rates for power service, the average cost per horsepower to the consumer will vary in accordance with the consumers' average number of hours' use of the power per month. A greater average energy consumption per horsepower increases the average cost per horsepower and decreases the average cost per kilowatt-hour to the consumer, and *vice versa*.*

*In view of the fact that the data of Statement "D" have been misinterpreted in the making of certain comparisons as to the cost of electricity in various territories, it is desirable to add a word of caution respecting their significance. Essentially, the average cost or revenue per kilowatt-hour is *not a criterion of rates* even with similar forms of rate schedules and for the same class of service. Particularly is this true when revenues and consumptions of all classes of service and of all kinds of rate schedules, are indiscriminately lumped together in order to deduce a so-called "average cost or rate per kilowatt-hour" for all services.

In one community rates for each class of service, and the cost to every consumer in each class for any given service and consumption, may be substantially higher than in another community, and yet there may be in the former community a lower "average revenue per kilowatt-hour."

EXAMPLE.—Assume sales of electrical energy by two electric utilities, A and B, in each case 10,000,000 kilowatt-hours.

Class of service	CASE A Higher rates and lower revenues per kilowatt-hour			CASE B Lower rates and higher revenues per kilowatt-hour		
	Energy sales	Rate per kw-hr.	Revenue	Energy sales	Rate per kw-hr.	Revenue
	kw-hr.	cents	\$	kw-hr.	cents	\$
Residence.....	1,000,000	4	40,000	3,000,000	3	90,000
Power.....	9,000,000	1	90,000	7,000,000	0.75	52,500
Total.....	10,000,000	....	130,000	10,000,000	....	142,500
Average revenue....	1.3 cents per kw-hr.			1.425 cents per kw-hr.		

It will be observed that in Case A *the rates* both for residence and for power service are 33 per cent *higher* than in Case B, but the *average revenue* per kilowatt-hour is nearly 9 per cent less.

In this instance, the explanation lies in the *relative quantities* of energy sold to each class. Service to large power consumers entails a smaller capital investment in distribution lines and equipment and lower operating costs per kilowatt-hour delivered, than does service to domestic and to commercial light consumers, and even where the rates for all classes of service are low, produces a smaller average revenue per kilowatt-hour. Consequently, if one electrical utility as compared with another sells a larger proportion of its energy for power purposes, its "average revenue per kilowatt-hour" may easily be lower than that of the other utility even though its rates for every class of service are substantially higher.

Although the derived statistics of Statement "D" are valueless as a means of comparing the *rates* in one municipality with those in another, they nevertheless fulfil a function in affording a general measure of the *economy of service* to consumers in the co-operating Ontario municipalities—an economy that has resulted primarily from the low rates themselves, and secondarily from the extensive use of the service that has been made possible by the low rates.

Actual bills rendered to typical consumers for similar service under closely comparable circumstances constitute the best basis for making comparisons. In researches respecting rates to consumers therefore the actual *rate schedules* of Statement "E" should be employed, and not statistics of average revenues per kilowatt-hour, as these are valueless for rate comparisons—and particularly so when all classifications of service are combined.

In any consideration of the relative economies of electrical service in the various municipalities—whether based on the actual rates for service as set forth in Statement "E", or on the derived statistics resulting from the rates and other factors as presented in Statement "D"—full account should be taken respectively of the influence upon costs of such factors as the size of the municipality, the distance from the source of power, the features of the power developments, the sizes and concentrations of adjacent markets for electricity, and the sizes and characters of the loads supplied under the various classifications by the local electrical utility to the consumers.

In Statement "D" account has been taken of the sizes of municipalities by grouping them according to whether they are (i) cities—over 10,000 population; (ii) towns of 2,000 to 10,000 population; or (iii) small towns (under 2,000 population), villages, and suburban areas in townships (which are comparable in respect of conditions of supply to the smaller towns and villages). The populations are also given, and the situation of any municipality with respect to transmission lines and power supplies may be ascertained by consulting the maps at the end of the Report.

A feature of the electrical service in Ontario municipalities served by The Hydro-Electric Power Commission is the strikingly large average annual consumption per domestic consumer. There are very few Ontario urban municipalities where the average annual consumption per domestic consumer is less than 600 kilowatt-hours. Of the 87 cities and towns with populations of 2,000 or more—in which over 85 per cent of the domestic consumers of the undertaking are served—no less than 78 have an average annual consumption per domestic consumer in excess of 1,000 kilowatt-hours; of these, 45 have an average annual consumption per domestic consumer in excess of 1,500 kilowatt-hours, and 21 have an average annual consumption per domestic consumer in excess of 2,000 kilowatt-hours.

The high average consumption for domestic service results essentially from the policy of the undertaking in providing service "at cost"; the rate schedules designed according to this principle automatically encourage liberal use of the service. Under the standard rate schedules employed by Ontario municipalities, follow-up rates of 1 cent and 1.25 cents (less 10 per cent) are in common use, and as a rule even where the higher initial rates per kilowatt-hour obtain, it is only necessary for the domestic consumer to reach a monthly charge of from \$2.00 to \$3.00 to obtain the benefit of a follow-up rate of 1.8 cents net. The cost of electric cooking is thus within reach of most of the domestic consumers in Ontario. Electric water heating is also encouraged by low flat rates for continuous heaters and by installation of equipment without capital cost to the consumer.

STATEMENT

Statistics Relating to the Supply of Electric Energy to Consumers
For Domestic Service, for Commercial Light Service

Group I—CITIES

Municipality	System	Popula- tion	Domestic service					
			Revenue	Consumption	Number of con- sumers	Average monthly consumption	Average monthly bill	Net cost per kw.-hr.
			\$ c.	kw.-hr.		kw.-hr.	\$ c.	cents
Belleville.....	E.O.	14,589	75,070.91	8,303,016	3,314	209	1.89	0.9
Brantford.....	Nia.	31,369	170,626.49	13,764,737	7,693	149	1.85	1.2
Chatham.....	Nia.	16,517	90,972.33	5,391,407	4,127	108	1.83	1.7
Fort William.....	T.B.	24,301	197,320.43	31,694,170	5,841	452	2.81	0.6
Galt.....	Nia.	14,219	93,458.17	6,942,887	3,900	148	2.00	1.3
Guelph.....	Nia.	21,514	109,406.55	9,599,708	5,355	149	1.70	1.1
Hamilton.....	Nia.	154,751	834,807.68	70,245,780	39,342	148	1.77	1.2
Kingston.....	E.O.	23,355	139,065.46	12,345,472	6,362	162	1.82	1.1
Kitchener.....	Nia.	33,080	191,096.62	18,416,891	7,773	197	2.05	1.0
London.....	Nia.	73,846	527,069.93	49,918,615	17,962	232	2.45	1.1
Niagara Falls.....	Nia.	18,928	122,155.21	11,357,489	4,633	204	2.20	1.1
Oshawa.....	E.O.	24,756	178,077.15	11,374,096	6,334	150	2.34	1.6
Ottawa.....	E.O.	144,202	532,085.02	60,789,128	13,933	364	3.18	0.8
Owen Sound.....	G.B.	13,411	61,028.31	4,526,763	3,373	112	1.51	1.3
Peterborough.....	E.O.	23,984	155,334.42	13,083,194	5,739	190	2.25	1.2
Port Arthur.....	T.B.	20,872	115,345.20	12,967,610	4,972	217	1.93	0.9
St. Catharines.....	Nia.	27,647	134,293.12	12,286,525	6,996	146	1.60	1.1
St. Thomas.....	Nia.	16,352	120,555.72	11,937,144	4,310	231	2.33	1.0
Sarnia.....	Nia.	18,269	92,171.80	6,128,506	4,732	108	1.62	1.5
Stratford.....	Nia.	17,159	130,293.56	10,420,749	4,295	202	2.53	1.3
Sudbury.....	N.O.P.	26,463	209,478.98	11,987,360	6,731	148	2.59	1.7
Toronto.....	Nia.	647,803	4,433,549.64	369,243,266	165,384	186	2.23	1.2
Toronto D.C. and 60 cycle†.....			16,817.61	574,040	276	173	5.08	2.9
Welland.....	Nia.	11,072	54,828.34	3,633,701	2,546	119	1.79	1.5
Windsor.....	Nia.	103,813	694,025.14	47,627,347	23,557	168	2.46	1.5
Woodstock.....	Nia.	11,418	72,433.51	6,353,565	3,179	167	1.90	1.1

†This—with the exception of a relatively small D.C. power load—is a special service not created by The Hydro-Electric Power Commission but acquired through the purchase of a privately owned company. It does not include street railway power.

Group II—TOWNS

Amherstburg.....	Nia.	2,857	21,441.70	1,590,832	682	194	2.62	1.3
Arnprior.....	E.O.	4,059	16,651.71	783,704	763	86	1.82	2.1
Aylmer.....	Nia.	2,156	11,100.15	709,620	698	85	1.33	1.6
Barrie.....	G.B.	8,310	62,664.44	4,924,493	2,152	191	2.43	1.3
Bowmanville.....	E.O.	3,850	27,222.74	1,614,476	1,161	116	1.96	1.7
Brampton.....	Nia.	5,695	40,356.23	3,273,305	1,486	184	2.26	1.2
Brockville.....	E.O.	9,995	52,159.51	4,453,065	2,843	131	1.53	1.2
Carleton Place.....	E.O.	4,278	18,603.80	1,224,655	1,010	101	1.53	1.5
Cobourg.....	E.O.	5,307	34,441.01	2,016,816	1,447	116	1.98	1.7
Collingwood.....	G.B.	5,322	27,523.92	1,599,866	1,382	96	1.66	1.7
Delhi.....	Nia.	2,083	10,831.84	422,570	549	64	1.64	2.6
Dundas.....	Nia.	4,839	22,165.10	1,352,441	1,267	88	1.45	1.6
Dunnville.....	Nia.	3,928	13,959.08	813,185	948	71	1.23	1.7
Elmira.....	Nia.	2,074	14,785.29	930,090	527	147	2.34	1.6
Fergus.....	Nia.	2,792	18,394.08	1,022,438	721	118	2.13	1.8

"D"

in Ontario Municipalities Served by the Commission
and for Power Service during the year 1939

Population, 10,000 or more

Commercial Light service						Power service			Total number of con- sumers
Revenue	Consumption	Number of con- sumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of con- sumers	Average monthly horse- power	
\$ c.	kw-hr.		kw-hr.	\$ c.	cents	\$ c.			
50,232.42	4,128,418	643	535	6.51	1.2	37,810.72	100	2,584.3	4,057
75,947.63	7,777,805	1,159	559	5.46	1.0	*127,180.26	162	7,764.9	9,014
84,482.07	5,490,648	792	577	8.90	1.5	78,305.44	108	3,813.9	5,027
70,166.68	4,485,015	930	402	6.29	1.6	68,682.35	117	3,633.4	6,888
44,152.99	2,680,578	503	444	7.31	1.6	114,973.83	110	6,181.0	4,513
54,815.24	4,639,224	789	490	5.79	1.2	125,419.99	138	7,670.5	6,282
456,944.77	40,378,468	5,170	651	7.36	1.1	1,749,315.75	1,264	105,427.0	45,776
89,951.79	6,877,792	943	608	7.95	1.3	110,582.58	155	6,205.3	7,460
119,999.12	8,940,259	1,085	687	9.22	1.3	302,783.56	253	15,631.5	9,111
205,150.49	16,340,270	2,146	635	7.97	1.3	421,736.76	449	22,768.3	20,557
61,692.64	5,650,282	716	658	7.18	1.1	80,720.67	91	4,611.5	5,440
69,268.55	3,505,805	562	520	10.27	2.0	236,935.29	107	11,251.6	7,003
202,576.09	12,789,423	1,381	771	12.22	1.6	72,478.94	189	4,537.9	15,503
41,539.35	2,847,309	578	411	5.99	1.5	44,383.01	99	2,665.0	4,050
85,351.84	5,087,896	931	455	7.64	1.7	127,918.97	160	6,939.3	6,830
67,007.50	5,842,304	821	593	6.80	1.1	656,008.55	109	38,168.5	5,902
66,906.72	5,627,482	866	541	6.44	1.2	158,022.59	160	10,839.5	8,022
53,457.20	4,625,058	627	614	7.10	1.2	58,645.11	81	3,755.7	5,018
49,454.90	3,610,660	666	452	6.19	1.4	148,720.28	81	6,585.7	5,479
55,393.78	3,251,388	602	450	7.67	1.7	59,927.52	116	3,007.4	5,013
161,430.19	5,046,139	1,059	397	12.70	3.2	51,875.32	140	1,920.2	7,930
2,929,249.50	184,897,618	24,913	618	9.79	1.6	‡3,807,993.31	4,293	165,174.0	194,590
71,202.82	1,708,990	484	294	12.26	4.2	308,452.04	763	11,683.0	1,523
32,956.71	2,262,336	486	388	5.65	1.5	100,152.67	84	4,998.3	3,116
352,996.44	22,801,719	3,165	600	9.29	1.5	529,953.02	450	26,032.6	27,172
42,872.56	3,212,575	482	555	7.41	1.3	80,236.53	95	5,126.3	3,756

NOTE—The above group of 25 cities utilizes about 80 per cent of the power distributed by the Commission to Ontario municipalities.

*Includes only 25-cycle data. ‡Does not include street railway power.

of Population, 2,000 or more

7,343.19	413,061	122	282	5.02	1.8	8,576.03	15	357.6	819
10,229.12	314,545	139	189	6.13	3.3	18,027.67	20	760.1	922
9,744.64	589,780	157	313	5.17	1.7	5,206.66	12	305.0	867
40,292.89	2,442,723	422	482	7.96	1.6	19,015.04	50	1,029.1	2,624
10,003.12	492,480	152	270	5.48	2.0	48,328.80	27	1,907.0	1,340
18,944.60	1,175,373	245	400	6.44	1.6	19,906.48	53	1,299.9	1,784
24,894.11	2,021,937	423	398	4.90	1.2	40,202.50	75	2,403.1	3,341
9,275.63	453,100	195	194	3.96	2.0	24,453.16	18	1,338.7	1,223
19,472.68	978,659	221	369	7.34	2.0	24,529.02	51	1,271.6	1,719
13,284.43	650,407	191	284	5.80	2.0	14,914.05	54	959.6	1,627
10,683.59	438,023	153	238	5.82	2.4	7,346.13	5	285.0	707
12,309.03	798,549	192	347	5.38	1.5	21,746.02	36	1,532.9	1,495
14,333.57	868,856	224	323	5.33	1.7	13,139.45	24	844.4	1,196
7,496.29	320,090	123	217	5.08	2.3	6,015.56	21	347.0	671
7,675.47	369,520	119	259	5.37	2.1	13,192.95	13	616.7	853

STATEMENT

**Statistics Relating to the Supply of Electric Energy to Consumers
For Domestic Service, for Commercial Light Service
Group II—TOWNS**

Municipality	System	Population	Domestic service					
			Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw.-hr.
			\$ c.	kw.-hr.		kw.-hr.	\$ c.	cents
Forest Hill.....	Nia.	11,117	194,446.50	14,665,887	2,988	409	5.42	1.3
Georgetown.....	Nia.	2,345	17,938.54	1,064,212	735	121	2.03	1.7
Goderich.....	Nia.	4,407	29,991.07	1,836,975	1,258	122	1.99	1.6
Gravenhurst.....	G.B.	2,135	9,999.56	799,429	555	120	1.50	1.3
Hanover.....	G.B.	3,215	19,974.65	1,117,606	773	120	2.15	1.8
Hespeler.....	Nia.	2,789	14,813.84	818,337	758	90	1.63	1.8
Humberstone.....	Nia.	2,738	10,680.15	519,477	639	68	1.39	2.1
Huntsville.....	G.B.	2,770	13,158.64	1,165,996	659	147	1.66	1.1
Ingersoll.....	Nia.	5,177	30,011.79	2,259,700	1,400	135	1.79	1.3
Kincardine.....	G.B.	2,464	15,935.33	600,141	672	74	1.98	2.7
Kingsville.....	Nia.	2,359	14,178.16	914,207	620	123	1.91	1.6
Leamington.....	Nia.	5,630	27,166.39	1,893,494	1,480	107	1.53	1.4
Lindsay.....	E.O.	7,138	41,893.05	2,984,979	1,986	125	1.76	1.4
Listowel.....	Nia.	2,773	16,013.71	1,084,585	754	120	1.77	1.5
Long Branch.....	Nia.	4,140	27,473.19	1,773,374	1,321	112	1.73	1.5
Meaford.....	G.B.	2,811	13,470.10	615,131	686	75	1.64	2.2
Merrittton.....	Nia.	2,656	13,140.02	979,621	707	115	1.55	1.3
Midland.....	G.B.	6,669	37,212.45	2,405,544	1,540	130	2.01	1.5
Mimico.....	Nia.	7,012	55,771.20	4,357,320	1,870	194	2.49	1.3
Napanee.....	E.O.	3,148	23,406.30	1,542,157	805	160	2.42	1.5
New Toronto.....	Nia.	7,140	37,247.85	2,672,660	1,745	128	1.77	1.4
Orangeville.....	G.B.	2,660	15,420.02	863,165	715	101	1.80	1.8
Paris.....	Nia.	4,369	22,510.28	1,733,100	1,165	124	1.61	1.3
Penetanguishene.....	G.B.	4,094	12,037.33	591,348	662	74	1.52	2.0
Perth.....	E.O.	4,174	24,520.16	1,764,166	1,025	156	1.99	1.4
Petrolia.....	Nia.	2,747	12,145.11	661,506	760	73	1.33	1.8
Pictou.....	E.O.	3,439	21,315.14	1,364,905	1,008	113	1.76	1.6
Port Colborne.....	Nia.	6,503	30,157.84	1,606,150	1,492	90	1.68	1.9
Port Hope.....	E.O.	4,724	25,488.75	1,851,677	1,338	115	1.59	1.3
Prescott.....	E.O.	2,925	17,332.32	1,330,668	725	153	1.99	1.3
Preston.....	Nia.	6,422	31,794.80	2,323,616	1,526	127	1.74	1.4
Riverside.....	Nia.	5,090	37,741.62	1,806,667	1,342	112	2.34	2.1
St. Marys.....	Nia.	4,033	27,377.56	1,744,710	1,025	142	2.23	1.6
Simcoe.....	Nia.	6,052	25,954.71	1,649,810	1,526	90	1.42	1.6
Smiths Falls.....	E.O.	7,672	44,962.72	3,529,069	1,815	162	2.06	1.3
Strathroy.....	Nia.	2,917	20,285.22	1,659,860	830	166	2.03	1.2
Swansea.....	Nia.	5,831	71,445.82	4,922,271	1,855	221	3.21	1.4
Tecumseh.....	Nia.	2,237	12,646.47	467,935	579	67	1.82	2.7
Thorold.....	Nia.	5,001	19,030.70	1,379,889	1,169	98	1.36	1.4
Tillsonburg.....	Nia.	3,945	18,775.86	1,203,521	1,170	86	1.34	1.6
Trenton.....	E.O.	6,833	31,247.69	2,028,948	1,496	113	1.74	1.5
Walkerton.....	G.B.	2,463	15,338.49	963,844	621	129	2.06	1.6
Wallaceburg.....	Nia.	4,715	19,231.93	1,128,278	1,132	83	1.41	1.7
Waterloo.....	Nia.	8,524	59,606.94	5,807,350	2,036	238	2.44	1.0
Weston.....	Nia.	5,099	47,014.71	4,789,629	1,365	292	2.87	1.0
Whitby.....	E.O.	3,724	24,311.57	1,690,006	908	155	2.23	1.4
Wingham.....	G.B.	2,123	12,102.13	622,278	560	93	1.80	1.9

“D”—Continued

in Ontario Municipalities Served by the Commission
and for Power Service during the year 1939
Population, 2,000 or more

Commercial Light service						Power service			Total number of consumers
Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of consumers	Average monthly horse-power	
\$ c.	kw-hr.		kw-hr.	\$ c.	cents	\$ c.			
25,339.30	1,538,090	228	562	9.26	1.6	2,950.63	21	161.0	3,237
7,627.30	435,804	123	295	5.17	1.7	26,453.64	25	1,270.7	883
16,356.05	751,312	248	252	5.50	2.2	13,507.47	20	670.0	1,526
8,082.09	593,303	131	377	5.14	1.4	11,852.10	14	578.6	700
8,233.93	401,268	137	244	5.01	2.1	19,038.36	23	856.8	933
4,983.93	275,493	100	230	4.15	1.8	43,842.31	27	1,977.8	885
3,094.09	204,645	79	216	3.26	1.5	4,312.65	8	204.5	726
10,519.68	669,451	146	382	6.00	1.6	14,185.12	13	874.2	818
16,968.52	1,158,095	234	412	6.04	1.5	28,879.73	45	1,716.1	1,679
9,025.96	278,591	119	195	6.32	3.2	11,924.22	17	504.6	808
7,719.47	448,016	150	249	4.29	1.7	4,798.73	17	225.9	787
17,941.48	1,218,873	269	378	5.56	1.5	22,009.66	32	1,263.5	1,781
26,958.45	1,352,676	336	335	6.68	2.0	31,313.76	74	1,791.3	2,396
11,368.89	643,998	158	340	6.00	1.8	12,826.27	23	709.8	935
6,300.81	417,024	94	369	5.58	1.5	2,338.94	5	109.8	1,420
7,945.83	367,954	143	214	4.63	2.2	6,022.32	18	352.8	847
3,003.96	207,976	66	262	3.79	1.4	116,890.35	15	5,863.9	788
17,381.86	1,054,201	205	429	7.07	1.6	48,885.44	50	3,281.9	1,795
11,066.92	761,026	152	417	6.07	1.5	11,440.71	19	506.9	2,041
15,038.02	726,691	203	298	6.17	2.1	9,958.05	28	562.7	1,036
17,359.11	1,270,896	212	500	6.82	1.3	148,467.78	31	6,949.0	1,988
10,416.16	532,801	147	302	5.90	2.0	6,378.89	23	378.3	885
8,283.65	612,840	192	266	3.60	1.4	14,629.41	24	930.3	1,381
6,703.71	308,089	107	240	5.22	2.2	18,571.02	24	765.4	793
15,108.64	861,552	198	361	6.33	1.8	15,325.34	26	852.7	1,249
7,884.49	357,546	181	165	3.63	2.2	23,196.43	68	882.1	1,009
16,028.97	940,763	196	400	6.82	1.7	5,239.98	29	390.2	1,233
17,241.82	1,082,422	249	362	5.77	1.6	22,680.39	24	1,058.0	1,765
12,635.83	703,156	205	286	5.14	1.8	28,159.38	37	1,528.7	1,580
10,241.08	698,148	170	342	5.02	1.5	5,120.71	21	357.5	916
19,482.98	1,115,747	227	410	7.15	1.7	43,264.52	46	2,597.9	1,799
4,590.50	221,799	55	336	6.95	2.1	5,833.50	8	224.5	1,405
10,777.40	526,549	170	258	5.28	2.0	22,657.54	40	964.1	1,235
30,085.80	2,239,654	375	498	6.69	1.3	28,669.71	41	1,420.3	1,942
16,839.47	1,000,323	279	299	5.03	1.7	21,467.45	44	1,115.0	2,138
12,142.22	713,989	180	330	5.62	1.7	11,554.93	29	753.1	1,039
7,662.27	434,115	84	431	7.60	1.8	16,082.84	13	723.8	1,952
4,367.60	176,296	53	277	6.87	2.5	1,893.55	3	97.3	635
7,517.17	613,989	162	316	3.87	1.2	39,932.79	17	1,987.0	1,348
17,545.74	1,263,322	261	403	5.60	1.4	11,413.96	35	687.8	1,466
19,932.05	987,485	264	312	6.29	2.0	58,900.73	51	2,894.5	1,811
9,836.96	473,732	139	284	5.90	2.1	7,168.43	17	268.3	777
12,712.65	708,772	251	235	4.22	1.8	57,646.25	38	2,300.1	1,421
25,685.59	1,903,981	260	610	8.23	1.3	37,004.26	71	2,184.6	2,367
11,041.59	864,409	179	402	5.14	1.3	44,332.26	29	2,376.7	1,573
13,106.03	718,641	166	361	6.58	1.8	14,217.99	23	629.3	1,097
8,021.17	355,942	150	198	4.56	2.3	9,630.55	25	427.4	735

STATEMENT

Statistics Relating to the Supply of Electric Energy to Consumers
For Domestic Service, for Commercial Light Service

Group III—SMALL TOWNS (less than 2,000 population),

NOTE—The power used in the smaller places and rural districts is, and possibly must always be, a relatively small proportion of the power distributed by the Commission. Thus, the power used by the small municipalities in the following group, which includes small towns, villages and certain suburban areas in townships, is less than 10 per cent of the power distributed by the Commission to Ontario municipalities. This relatively small proportion of the total power.

Municipality	System	Popula- tion	Domestic service					
			Revenue	Consumption	Number of con- sumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.
			\$ c.	kw-hr.		kw-hr.	\$ c.	cents
Acton.....	Nia.	1,869	10,990.19	808,498	510	132	1.80	1.4
Agincourt.....	Nia.	P.V.	4,842.83	293,412	154	159	2.62	1.7
Ailsa Craig.....	Nia.	483	2,419.50	120,766	142	71	1.42	2.0
Alexandria.....	E.O.	1,971	7,335.22	195,097	363	45	1.68	3.8
Alliston.....	G.B.	1,405	9,905.36	402,090	370	91	2.23	2.5
Alvinston.....	Nia.	650	3,524.01	68,270	168	34	1.75	5.2
Ancaster Twp.....	Nia.	.....	11,135.51	663,301	324	170	2.87	1.7
Apple Hill.....	E.O.	P.V.	1,273.82	28,506	56	42	1.90	4.5
Arkona.....	Nia.	397	2,712.22	64,064	103	52	2.19	4.2
Arthur.....	G.B.	1,017	5,353.71	134,096	214	52	2.08	4.0
Athens.....	E.O.	670	3,157.54	83,890	172	41	1.53	3.8
Ayr.....	Nia.	730	5,469.70	296,102	225	110	2.03	1.8
Baden.....	Nia.	P.V.	3,454.51	255,814	150	142	1.92	1.4
Bath.....	E.O.	343	1,901.19	46,810	50	78	3.17	4.1
Beachville.....	Nia.	P.V.	3,505.23	191,442	163	98	1.79	1.8
Beamsville.....	Nia.	1,161	9,505.80	702,439	349	168	2.27	1.4
Beaverton.....	G.B.	955	6,069.35	334,512	328	85	1.54	1.8
Beeton.....	G.B.	571	3,522.56	86,570	133	54	2.21	4.1
Belle River.....	Nia.	814	4,462.41	175,730	244	60	1.52	2.5
Blenheim.....	Nia.	1,758	8,934.25	516,340	557	75	1.29	1.7
Bloomfield.....	E.O.	653	3,241.21	129,943	170	64	1.59	2.5
Blyth.....	Nia.	656	3,396.76	124,741	176	58	1.61	2.7
Bolton.....	Nia.	600	4,113.76	218,756	178	102	1.93	1.9
Bothwell.....	Nia.	694	2,746.74	155,215	189	68	1.21	1.8
Bradford.....	G.B.	989	6,216.75	200,056	243	69	2.13	3.1
Brantford Twp.....	Nia.	.....	22,718.14	1,364,404	970	117	1.95	1.7
Brechin.....	G.B.	P.V.	1,247.35	22,391	33	57	3.15	5.6
Bridgeport.....	Nia.	P.V.	4,850.10	195,600	183	89	2.21	2.5
Brigden.....	Nia.	P.V.	2,316.18	70,898	117	50	1.65	3.3
Brighton.....	E.O.	1,454	9,203.39	284,222	511	46	1.50	3.2
Brussels.....	Nia.	773	4,509.68	158,903	240	55	1.57	2.8
Burford.....	Nia.	P.V.	4,456.75	330,587	196	141	1.89	1.3
Burgessville.....	Nia.	P.V.	1,647.51	49,159	56	73	2.45	3.4
Caledonia.....	Nia.	1,425	6,679.25	312,209	406	64	1.37	2.1
Campbellville.....	Nia.	P.V.	1,681.59	45,681	51	75	2.75	3.7
Cannington.....	G.B.	756	5,321.50	219,311	250	73	1.77	2.4
Capreol.....	N.O.P.	1,680	9,684.77	246,256	307	67	2.63	3.9
Cardinal.....	E.O.	1,556	7,276.09	441,432	371	99	1.63	1.6
Cayuga.....	Nia.	682	3,811.30	121,000	171	59	1.86	3.1
Chatsworth.....	G.B.	337	1,868.85	66,865	87	64	1.79	2.8

"D"—Continued

in Ontario Municipalities Served by the Commission
and for Power Service during the year 1939

VILLAGES AND SUBURBAN AREAS

however, exerts upon the economic life of the Province a most beneficial influence. It should further be appreciated that about 35 per cent of these municipalities obtain their power, not from Niagara, but from relatively small water-power developments throughout the Province. The net cost per kilowatt-hour given in the table is the cost inclusive of all charges. Consult also introduction to Statement "D", page 328.

Commercial Light service						Power service			Total number of consumers
Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw.-hr.	Revenue	Number of consumers	Average monthly horse-power	
\$ c.	kw.-hr.		kw.-hr.	\$ c.	cents	\$ c.			
4,871.41	266,757	89	250	4.56	1.8	16,192.77	16	684.0	615
1,253.62	60,406	26	194	4.02	2.1	972.14	2	55.3	182
1,381.74	56,005	35	133	3.29	2.5	925.47	2	40.1	179
5,369.13	121,299	115	88	3.89	4.4	3,074.00	12	106.8	490
6,896.12	227,055	109	174	5.27	3.0	3,145.58	14	155.6	493
2,394.00	62,897	53	99	3.76	3.8	526.70	2	17.5	223
3,200.32	180,493	36	417	7.40	1.8	868.24	6	40.6	366
877.24	26,540	24	92	3.05	3.3	416.74	2	25.5	82
1,694.67	42,380	36	98	3.92	4.0	56.27	1	3.0	140
4,856.10	125,168	87	120	4.65	3.9	1,130.67	6	75.7	307
1,548.70	37,070	45	69	2.87	4.2	916.67	1	33.7	218
1,708.80	73,675	41	150	3.47	2.3	528.62	5	24.6	271
2,102.12	104,521	39	223	4.49	2.0	5,437.00	2	242.2	191
632.28	11,116	10	93	5.27	5.7	.....	.....	.....	60
731.95	34,784	22	131	2.77	2.1	10,388.06	4	440.1	189
4,912.50	216,357	73	250	5.67	2.3	2,007.22	6	112.9	428
2,692.69	155,119	67	193	3.35	1.7	1,350.84	9	76.6	404
2,056.38	45,055	34	110	5.04	4.6	995.95	4	60.6	171
2,446.87	105,411	44	200	4.63	2.3	1,219.74	2	35.6	290
7,801.22	471,358	133	295	4.89	1.7	4,913.18	14	210.4	704
1,716.21	57,164	43	111	3.33	3.0	1,025.30	7	37.2	220
1,956.94	66,630	47	118	3.47	2.9	418.21	3	26.8	226
1,726.74	60,983	48	106	3.00	2.8	2,162.39	10	106.7	236
1,669.08	86,865	54	134	2.58	1.9	693.78	7	75.8	250
3,985.33	111,769	68	137	4.88	3.6	2,544.63	8	125.6	319
4,266.29	292,026	53	459	6.71	1.5	3,432.69	8	164.7	1,031
1,021.65	25,730	22	97	3.87	4.0	821.96	4	38.5	59
798.07	30,407	19	133	3.50	2.6	144.10	1	5.0	203
1,960.77	60,953	39	130	4.19	3.2	654.56	4	21.4	160
4,255.87	174,413	95	153	3.73	2.4	3,234.53	9	176.1	615
3,014.64	99,372	69	120	3.64	3.0	713.92	2	26.7	311
1,201.70	69,655	29	200	3.45	1.7	605.97	1	23.6	226
794.22	22,183	18	103	3.68	3.6	240.83	2	15.2	76
5,200.34	333,365	102	272	4.25	1.6	1,740.26	8	76.5	516
731.66	18,853	13	121	4.69	3.9	.....	.....	.....	64
2,272.92	70,554	67	88	2.83	3.2	512.08	10	28.4	327
3,987.81	132,349	49	225	6.78	3.0	740.27	1	25.0	357
2,405.82	120,875	61	165	3.29	2.0	522.97	3	18.7	435
3,866.43	120,216	62	162	5.20	3.2	922.61	7	37.0	240
1,415.79	53,810	35	128	3.37	2.6	.....	.....	.....	122

STATEMENT

Statistics Relating to the Supply of Electric Energy to Consumers
For Domestic Service, for Commercial Light Service

Group III—SMALL TOWNS (less than 2,000 population),

Municipality	System	Popula- tion	Domestic service					
			Revenue	Consumption	Number of con- sumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.
			\$ c.	kw-hr.		kw-hr.	\$ c.	cents
Chesley	G.B.	1,743	8,790.72	503,409	432	97	1.69	1.7
Chesterville	E.O.	1,083	4,548.00	308,862	249	103	1.52	1.5
Chippawa	Nia.	1,140	7,714.04	594,592	335	148	1.92	1.3
Clifford	Nia.	452	2,553.97	74,208	122	50	1.74	3.4
Clinton	Nia.	1,888	12,430.52	756,939	575	110	1.79	1.6
Cobden	E.O.	627	2,127.91	53,876	117	38	1.52	3.9
Colborne	E.O.	955	5,375.34	247,674	257	80	1.74	2.2
Coldwater	G.B.	612	3,550.73	190,289	160	99	1.85	1.9
Comber	Nia.	P.V.	2,029.18	79,493	105	63	1.61	2.6
Cookstown	G.B.	P.V.	2,254.81	52,910	105	42	1.79	4.3
Cottam	Nia.	P.V.	2,342.16	83,916	111	63	1.76	2.8
Courtright	Nia.	329	1,718.52	32,479	72	38	1.99	5.3
Creemore	G.B.	615	2,910.21	105,310	161	55	1.51	2.8
Dashwood	Nia.	P.V.	1,672.59	60,224	83	60	1.68	2.8
Delaware	Nia.	P.V.	1,812.37	103,650	61	142	2.48	1.7
Deseronto	E.O.	1,300	5,654.28	195,681	308	53	1.53	2.9
Dorchester	Nia.	P.V.	2,581.81	131,753	141	78	1.53	2.0
Drayton	Nia.	527	3,434.83	132,256	167	66	1.71	2.6
Dresden	Nia.	1,572	6,361.53	330,277	437	63	1.21	1.9
Drumbo	Nia.	P.V.	2,313.04	106,728	90	99	2.14	2.2
Dublin	Nia.	P.V.	1,436.66	39,896	56	59	2.14	3.6
Dundalk	G.B.	700	3,176.45	148,470	194	64	1.36	2.1
Durham	G.B.	1,864	6,979.40	374,599	448	70	1.30	1.9
Dutton	Nia.	793	3,119.40	190,990	222	72	1.17	1.6
East York Twp.	Nia.	.....	192,960.94	12,227,125	9,729	104	1.65	1.6
Elmvale	G.B.	P.V.	3,641.26	171,500	174	82	1.74	2.1
Elmwood	G.B.	P.V.	1,245.14	26,060	65	33	1.59	4.8
Elora	Nia.	1,149	7,465.96	382,905	331	96	1.87	1.9
Embro	Nia.	423	3,097.16	168,783	114	123	2.26	1.8
Erieau	Nia.	295	3,988.67	143,754	195	61	1.70	2.8
Erie Beach	Nia.	.....	1,784.35	40,865	86	40	1.73	4.4
Essex	Nia.	1,854	7,984.64	453,280	478	79	1.39	1.8
Etobicoke Twp.	Nia.	.....	146,226.81	12,273,876	4,339	235	2.80	1.2
Exeter	Nia.	1,649	11,169.75	765,121	475	134	1.96	1.5
Finch	E.O.	337	2,205.80	120,916	93	108	1.98	1.8
Flesherton	G.B.	455	2,561.14	77,390	137	47	1.56	3.3
Fonthill	Nia.	867	5,135.52	208,603	236	74	1.81	2.5
Forest	Nia.	1,520	11,957.16	626,545	466	112	2.14	1.9
Glencoe	Nia.	726	5,017.33	203,847	220	77	1.93	2.5
Grand Valley	G.B.	605	3,433.97	93,494	175	45	1.64	3.7

"D"—Continued

in Ontario Municipalities Served by the Commission
and for Power Service during the year 1939

VILLAGES AND SUBURBAN AREAS

Commercial Light service						Power service			Total number of consumers
Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of consumers	Average monthly horse-power	
\$ c.	kw-hr.		kw-hr.	\$ c.	cents	\$ c.			
5,411.68	295,790	102	242	4.42	1.8	6,722.53	21	367.0	555
3,604.46	162,380	76	178	3.95	2.2	1,909.23	3	85.5	328
2,316.26	142,715	49	243	3.94	1.6	1,215.31	2	41.7	386
2,182.03	75,144	38	164	4.78	2.9	511.38	1	17.9	161
8,024.21	353,873	133	222	5.03	2.3	4,040.57	16	190.9	724
2,534.74	61,087	53	96	3.99	4.1	334.36	1	8.3	171
3,183.90	120,426	77	130	3.45	2.6	785.44	4	47.0	338
1,528.54	54,368	49	92	2.60	2.8	5,997.63	3	265.5	212
1,976.44	68,517	47	121	3.50	2.9	1,785.36	2	66.7	154
1,485.00	37,592	32	98	3.87	4.0	861.74	3	61.6	140
1,417.41	77,831	29	224	4.08	1.8	280.70	1	15.0	141
1,123.94	28,747	25	96	3.75	3.9	989.57	1	12.5	98
1,987.61	69,505	60	97	2.76	2.9	1,012.35	4	72.9	225
1,156.66	31,183	27	96	3.57	3.7	738.26	2	26.3	112
805.48	27,160	17	133	3.95	3.0				78
2,092.35	57,661	65	74	2.68	3.6	1,910.91	7	69.1	380
942.56	36,722	27	113	2.91	2.6	706.59	2	38.4	170
1,960.72	59,407	65	76	2.51	3.3	1,274.16	4	65.4	236
6,003.98	332,245	127	218	3.93	1.8	3,445.30	11	227.9	575
912.01	34,203	27	106	2.81	2.7	640.20	1	25.3	118
805.84	21,078	22	80	3.05	3.8	1,287.99	2	52.2	80
2,860.62	103,701	73	118	3.26	2.7	2,861.53	6	156.9	273
5,121.51	247,459	106	194	4.03	2.1	3,949.96	14	224.8	568
2,338.36	123,090	64	160	3.04	1.9	2,903.15	10	164.3	296
30,298.00	1,852,101	428	360	5.90	1.6	37,564.43	44	1,675.3	10,201
1,738.24	77,884	50	130	2.90	2.2	2,589.58	8	122.9	232
670.34	15,174	23	55	2.43	4.4	1,095.54	1	39.4	89
4,105.50	168,465	72	195	4.81	2.4	2,884.29	3	148.3	406
1,335.25	39,659	38	87	2.93	3.4	231.30	2	14.8	154
1,300.02	44,377	16	231	6.77	2.9	426.97	2	18.4	213
380.50	10,955	3	304	10.57	3.5				89
6,790.64	413,290	119	289	4.76	1.6	6,109.85	16	326.4	613
23,166.79	1,559,000	241	539	8.01	1.5	27,836.78	35	1,313.8	4,615
6,151.82	300,298	131	191	3.91	2.0	3,307.61	13	225.7	619
1,636.94	56,464	37	127	3.69	2.9	335.67	1	9.2	131
1,925.25	66,800	51	109	3.15	2.9	544.91	2	28.5	190
1,762.50	77,360	33	195	4.45	2.3	504.23	3	16.8	272
6,181.06	236,829	124	159	4.15	2.6	4,596.50	22	222.0	612
3,952.16	142,765	81	147	4.07	2.8	3,263.94	9	102.5	310
2,162.78	58,408	54	90	3.34	3.7	1,439.01	4	75.1	233

STATEMENT

Statistics Relating to the Supply of Electric Energy to Consumers
For Domestic Service, for Commercial Light Service

Group III—SMALL TOWNS (less than 2,000 population),

Municipality	System	Popula- tion	Domestic service					
			Revenue	Consumption	Number of con- sumers	Average monthly consumption	Average monthly bill	New cost per kw-hr.
			\$ c.	kw-hr.		kw-hr.	\$ c.	cents
Granton.....	Nia.	P.V.	1,869.76	96,978	89	91	1.75	1.9
Hagersville.....	Nia.	1,355	6,043.26	316,006	372	71	1.35	1.9
Harriston.....	Nia.	1,269	7,187.62	479,431	365	109	1.64	1.5
Harrow.....	Nia.	1,032	9,057.95	605,247	299	169	2.52	1.5
Hastings.....	E.O.	757	3,758.61	129,879	213	51	1.47	2.9
Havelock.....	E.O.	1,147	5,288.26	190,692	291	55	1.51	2.8
Hensall.....	Nia.	685	4,099.63	166,090	194	71	1.76	2.5
Highgate.....	Nia.	362	1,624.48	60,940	101	50	1.34	2.7
Holstein.....	G.B.	P.V.	956.80	15,997	50	27	1.59	6.0
Jarvis.....	Nia.	519	2,705.08	96,194	143	56	1.58	2.8
Kemptville.....	E.O.	1,218	7,103.67	391,378	342	95	1.73	1.8
Kirkfield.....	G.B.	P.V.	956.03	15,617	30	43	2.66	6.1
Lakefield.....	E.O.	1,308	5,925.37	249,004	327	63	1.51	2.4
Lambeth.....	Nia.	P.V.	3,087.56	175,087	127	115	2.03	1.8
Lanark.....	E.O.	723	2,693.77	83,245	158	44	1.42	3.2
Lancaster.....	E.O.	511	2,071.61	45,710	93	41	1.86	4.5
La Salle.....	Nia.	882	6,399.24	346,702	221	131	2.41	1.8
London Twp.....	Nia.	.....	12,272.90	1,028,026	413	207	2.48	1.2
Lucan.....	Nia.	610	4,311.08	209,872	184	95	1.95	2.1
Lucknow.....	G.B.	1,034	6,364.73	159,942	247	54	2.15	4.0
Lynden.....	Nia.	P.V.	2,093.19	71,076	94	63	1.86	2.9
Madoc.....	E.O.	1,108	4,873.58	172,566	287	50	1.42	2.8
Markdale.....	G.B.	781	3,787.61	154,150	220	58	1.43	2.5
Markham.....	Nia.	1,153	7,323.65	408,463	313	109	1.95	1.8
Marmora.....	E.O.	995	3,697.68	114,665	228	42	1.35	3.2
Martintown.....	E.O.	P.V.	684.89	24,225	46	44	1.24	2.8
Maxville.....	E.O.	758	3,562.39	97,549	152	53	1.95	3.7
Merlin.....	Nia.	P.V.	2,283.67	75,662	116	54	1.64	3.0
Millbrook.....	E.O.	737	3,720.54	110,409	178	55	1.74	3.2
Mildmay.....	G.B.	754	3,410.06	165,358	169	82	1.68	2.1
Milton.....	Nia.	1,848	13,079.35	717,642	518	115	2.10	1.8
Milverton.....	Nia.	1,010	4,902.24	344,391	252	114	1.62	1.4
Mitchell.....	Nia.	1,615	11,847.47	800,056	489	136	2.02	1.5
Moorefield.....	Nia.	P.V.	1,045.14	23,730	57	35	1.53	4.4
Morrisburg.....	E.O.	1,853	8,542.20	478,759	428	93	1.66	1.8
Mt. Brydges.....	Nia.	P.V.	2,780.89	150,639	143	88	1.62	1.8
Mt. Forest.....	G.B.	1,840	8,967.74	444,205	489	76	1.53	2.0
Neustadt.....	G.B.	455	2,104.67	29,451	98	25	1.79	7.1
Newbury.....	Nia.	288	1,234.83	32,561	69	39	1.49	3.8
Newcastle.....	E.O.	700	5,567.77	193,114	201	80	2.31	2.9

"D"—Continued

in Ontario Municipalities Served by the Commission
and for Power Service during the year 1939

VILLAGES AND SUBURBAN AREAS

Commercial Light service						Power service			Total number of con- sumers
Revenue	Consumption	Number of con- sumers	Average monthly consumption	Average monthly bill	Net cost per kw.-hr.	Revenue	Number of con- sumers	Average monthly horse- power	
\$ c.	kw.-hr.		kw.-hr.	\$ c.	cents	\$ c.			
1,013.83	39,839	31	107	2.72	2.5				120
6,014.68	333,820	114	244	4.40	1.8	11,790.19	13	598.7	499
4,738.48	212,595	102	174	3.87	2.2	5,846.95	14	269.3	481
5,009.00	236,001	83	237	5.11	2.1	2,761.98	6	136.4	388
2,197.22	59,299	53	93	3.45	3.7	244.49	4	17.1	270
2,944.33	66,966	58	96	4.23	4.4	2,260.06	3	87.9	352
2,712.51	96,550	58	139	3.90	2.8	3,264.82	14	149.4	266
899.31	30,720	35	73	2.14	2.9	1,043.46	5	60.4	141
642.09	12,800	22	48	2.43	5.0	134.12	1	7.5	73
1,967.35	86,177	44	163	3.72	2.3	3,232.99	4	121.6	191
4,973.81	252,830	85	248	4.88	2.0	4,543.84	6	204.5	433
1,100.47	23,378	20	97	4.59	4.7				50
4,147.92	169,810	71	199	4.87	2.4	3,578.48	6	176.8	404
1,201.87	52,175	24	181	4.17	2.3	540.81	2	27.5	153
1,538.04	50,483	40	105	3.20	3.0				198
1,612.90	40,610	36	94	3.73	4.0				129
1,636.31	68,889	19	302	7.18	2.4	1,707.14	3	55.4	243
2,431.79	158,398	20	660	10.13	1.5	1,630.87	4	76.0	437
1,973.15	70,504	56	105	2.94	2.8	1,797.84	7	91.0	247
3,919.42	87,668	80	91	4.08	4.5	4,652.25	6	139.0	333
863.22	28,352	14	169	5.14	3.0	709.67	2	39.6	110
3,850.94	140,050	97	120	3.31	2.7	1,131.44	6	79.8	390
2,776.21	124,009	81	128	2.86	2.2	1,101.42	11	87.8	312
3,430.32	179,095	71	210	4.03	1.9	2,987.29	9	140.8	393
1,973.69	76,682	47	136	3.50	2.6	322.06	2	26.2	277
954.20	33,989	25	113	3.18	2.8				71
2,689.51	65,919	48	114	4.67	4.1				200
2,222.62	75,768	48	132	3.86	2.9	495.47	2	17.7	166
1,850.08	30,922	53	49	2.91	5.5	464.63	3	14.8	234
2,206.89	72,766	50	121	3.78	3.0	928.97	3	29.9	222
6,484.44	325,112	110	246	4.91	2.0	17,992.77	15	730.7	643
3,615.31	166,816	73	190	4.13	2.2	3,667.52	9	238.1	334
5,710.81	302,061	125	201	3.81	1.9	4,348.33	23	290.0	637
1,083.73	38,646	31	104	2.91	2.8	26.70	1	2.0	89
5,654.00	240,328	118	170	3.99	2.4	2,401.79	14	165.4	560
1,030.01	42,642	40	89	2.15	2.4	718.25	3	36.6	186
7,481.45	375,585	156	201	4.00	2.0	5,471.52	14	294.0	659
1,069.82	19,080	29	55	3.07	5.6	405.24	1	9.2	128
665.32	20,206	21	80	2.64	3.3	314.31	1	14.0	91
2,849.31	85,224	36	197	6.60	3.3	1,737.21	5	63.0	242

STATEMENT

Statistics Relating to the Supply of Electric Energy to Consumers
For Domestic Service, for Commercial Light Service

Group III—SMALL TOWNS (less than 2,000 population),

Municipality	System	Popula- tion	Domestic service					
			Revenue	Consumption	Number of con- sumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.
			\$ c.	kw-hr.		kw-hr.	\$ c.	cents
New Hamburg.....	Nia.	1,458	9,562.95	573,521	368	130	2.17	1.7
Niagara-on-the-Lake.....	Nia.	1,670	13,701.77	1,157,355	524	184	2.18	1.2
Nipigon Twp.....	T.B.	V.A.	3,462.47	163,655	195	70	1.48	2.0
North York Twp.....	Nia.	.....	155,939.24	8,806,657	4,711	155	2.77	1.7
Norwich.....	Nia.	1,365	8,958.87	629,150	384	137	1.94	1.4
Norwood.....	E.O.	710	4,453.57	154,170	235	55	1.58	2.9
Oil Springs.....	Nia.	514	1,595.96	83,541	93	75	1.43	1.9
Omamee.....	E.O.	553	2,510.99	94,537	165	48	1.27	2.7
Orono*.....	E.O.	P.V.	4,731.72	.....	188	.....	.....	.....
Otterville.....	Nia.	P.V.	2,529.46	140,647	130	80	1.62	1.8
Paisley.....	G.B.	729	4,090.42	97,785	202	40	1.69	4.2
Palmerston.....	Nia.	1,406	9,801.95	767,003	392	163	2.08	1.3
Parkhill.....	Nia.	900	5,277.64	196,100	277	59	1.59	2.7
Plattsville.....	Nia.	P.V.	2,490.26	98,353	109	75	1.90	2.5
Point Edward.....	Nia.	1,177	5,842.74	255,686	305	70	1.60	2.3
Port Credit.....	Nia.	1,901	14,810.88	1,277,140	515	207	2.40	1.1
Port Dalhousie.....	Nia.	1,590	15,699.86	1,286,672	620	173	2.11	1.2
Port Dover.....	Nia.	1,705	8,789.84	448,567	632	59	1.16	2.0
Port Elgin.....	G.B.	1,321	9,523.92	531,958	448	99	1.77	1.8
Port McNicoll.....	G.B.	905	4,103.29	137,980	220	52	1.55	3.0
Port Perry.....	G.B.	1,128	7,447.92	295,916	340	73	1.83	2.5
Port Rowan.....	Nia.	556	3,084.17	94,690	136	58	1.89	3.3
Port Stanley.....	Nia.	737w †3,500s	13,025.42	769,314	697	92	1.56	1.7
Priceville.....	G.B.	P.V.	792.02	12,303	36	28	1.83	6.4
Princeton.....	Nia.	P.V.	2,425.10	112,228	87	107	2.32	2.2
Queenston.....	Nia.	P.V.	3,271.93	251,720	77	272	3.54	1.3
Richmond.....	E.O.	403	2,050.39	91,289	66	115	2.59	2.2
Richmond Hill.....	Nia.	1,317	8,538.59	575,850	367	130	1.94	1.5
Ridgetown.....	Nia.	1,958	8,710.57	561,188	568	82	1.28	1.6
Ripley.....	G.B.	442	3,242.20	66,094	120	46	2.25	4.9
Rockwood.....	Nia.	P.V.	3,846.70	196,800	162	101	1.98	2.0
Rodney.....	Nia.	695	3,370.91	175,096	244	60	1.15	1.9
Rosseau.....	G.B.	305	2,776.97	47,220	62	63	3.73	5.9
Russell.....	E.O.	P.V.	2,775.18	83,241	119	58	1.94	3.3
St. Clair Beach.....	Nia.	108	2,172.80	92,977	73	106	2.48	2.3
St. George.....	Nia.	P.V.	3,168.32	153,366	150	85	1.76	2.1
St. Jacobs.....	Nia.	P.V.	3,943.63	276,800	132	175	2.49	1.4
Scarboro Twp.....	Nia.	.....	112,683.60	6,835,504	5,029	113	1.86	1.6
Seaforth.....	Nia.	1,705	10,255.34	598,563	473	105	1.81	1.7
Shelburne.....	G.B.	1,043	5,633.39	220,006	301	61	1.56	2.6

*Thirteen months, operation.

†Summer resort—Population in August is about 3,500.

"D"—Continued

in Ontario Municipalities Served by the Commission
and for Power Service during the year 1939

VILLAGES AND SUBURBAN AREAS

Commercial Light service						Power service			Total number of con- sumers
Revenue	Consumption	Number of con- sumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of con- sumers	Average monthly horse- power	
\$ c.	kw-hr.		kw-hr.	\$ c.	cents	\$ c.			
4,551.01	193,615	98	165	3 87	2.4	5,257.00	13	279.4	479
4,155.49	252,350	84	250	4 12	1.6	1,930.47	8	82.6	616
3,261.85	163,770	57	239	4 77	2.0	684.83	2	43.3	254
23,719.66	981,510	305	268	6 48	2.4	38,922.32	35	1,239.9	5,051
4,518.85	243,272	95	213	3 96	1.9	2,119.42	9	137.7	488
2,346.21	58,525	57	86	3 43	4.0	528.28	3	26.7	295
1,482.59	64,843	33	164	3 74	2.3	6,371.44	36	190.4	162
1,735.66	72,072	41	146	3 52	2.4	2,311.16	6	108.0	212
2,495.69	.....	46	.....	.....	.....	59.05	1	.....	235
2,105.25	107,253	45	199	3 89	2.0	375.91	3	18.7	178
2,738.15	82,964	51	136	4 47	3.3	768.44	4	29.5	257
5,666.32	282,395	103	228	4 58	2.0	6,868.15	12	390.4	507
3,638.02	104,041	80	108	3 79	3.5	1,392.15	5	42.6	362
1,054.21	47,693	24	166	3 66	2.2	1,128.63	1	43.1	134
2,254.64	76,757	44	145	4 27	2.9	30,904.93	10	1,219.1	359
6,718.56	438,590	93	393	6 02	1.5	4,295.91	8	180.4	616
3,402.95	202,201	55	306	5 16	1.7	5,358.27	14	234.3	689
4,840.75	250,420	119	175	3 39	1.9	4,459.39	16	216.8	767
5,908.92	251,324	113	185	4 35	2.3	3,343.97	6	189.6	567
662.63	23,465	20	98	2 76	2.8	43.09	1	1.3	241
3,269.46	100,139	81	103	3 36	3.3	2,602.87	12	125.4	433
2,288.18	81,400	44	154	4 33	2.8	104.73	3	9.9	183
4,393.73	193,709	100	161	3 66	2.3	4,100.86	9	189.8	806
315.88	4,961	10	41	2 63	6.4	79.81	1	2.0	47
884.12	38,006	20	158	3 68	2.3	1,759.85	3	71.3	110
1,113.03	53,715	13	344	7 13	2.1	.....	.....	.....	90
1,470.01	38,525	28	115	4 38	3.8	.....	.....	.....	94
4,141.81	243,859	68	298	5 07	1.7	2,093.02	13	121.5	448
7,055.04	396,697	142	233	4 14	1.8	4,242.28	20	248.0	730
1,710.68	29,468	49	50	2 91	5.8	1,306.71	1	51.8	170
1,040.49	41,828	34	103	2 55	2.5	319.35	2	12.9	198
2,644.84	104,365	79	110	2 79	2.5	1,915.25	6	97.2	329
1,035.80	18,085	22	69	3 92	5.7	.....	.....	.....	84
1,614.08	40,451	35	96	3 84	4.0	.....	.....	.....	154
2,357.41	92,180	8	960	24 55	2.6	304.54	1	10.0	82
1,525.11	68,455	35	163	3 63	2.2	2,438.87	2	97.5	187
1,642.93	65,662	31	177	4 42	2.5	4,745.55	7	195.0	170
23,451.65	1,351,242	353	319	5 53	1.7	24,490.96	33	965.7	5,415
6,475.62	387,977	118	274	4 57	1.7	4,163.77	14	217.0	605
3,735.63	144,270	79	152	3 94	2.6	2,398.31	14	190.4	394

STATEMENT

Statistics Relating to the Supply of Electric Energy to Consumers
For Domestic Service, for Commercial Light Service

Group III—SMALL TOWNS (less than 2,000 population),

Municipality	System	Popula- tion	Domestic service					Average monthly consumption kw-hr.	Average monthly bill \$ c.	Net cost per kw-hr. cents
			Revenue	Consumption	Number of con- sumers					
			\$ c.	kw-hr.			kw-hr.	\$ c.	cents	
Sioux Lookout.....	N.O.P.	1,901	3,716.76	66,214	524		32	1.77	5.6	
Southampton.....	G.B.	1,441	10,079.86	477,683	502		79	1.67	2.1	
Springfield.....	Nia.	377	1,828.88	63,178	108		49	1.41	2.9	
Stamford Twp.....	Nia.	.....	57,418.11	4,760,771	1,895		209	2.52	1.2	
Stayner.....	G.B.	1,043	4,811.51	242,757	271		75	1.48	2.0	
Stirling.....	E.O.	960	5,036.86	335,537	289		97	1.45	1.5	
Stouffville.....	Nia.	1,160	7,132.99	376,330	386		81	1.54	1.9	
Streetsville.....	Nia.	700	4,655.51	242,260	188		107	2.06	1.9	
Sunderland.....	G.B.	P.V.	2,712.02	75,190	116		54	1.95	3.6	
Sutton.....	Nia.	852	8,400.59	312,070	434		60	1.61	2.7	
Tara.....	G.B.	474	3,185.14	93,740	151		52	1.76	3.4	
Tavistock.....	Nia.	1,063	7,458.62	511,584	292		146	2.13	1.5	
Teeswater.....	G.B.	842	5,156.75	161,126	225		60	1.91	3.2	
Thamesford.....	Nia.	P.V.	3,138.98	226,009	134		140	1.95	1.4	
Thamesville.....	Nia.	833	3,651.80	192,560	236		68	1.29	1.9	
Thedford.....	Nia.	595	3,148.65	76,643	150		43	1.75	4.1	
Thorndale.....	Nia.	P.V.	1,734.04	52,132	71		61	2.04	3.3	
Thornton.....	G.B.	P.V.	1,412.20	20,483	60		28	1.96	6.9	
Tilbury.....	Nia.	1,980	6,518.04	401,360	457		73	1.19	1.6	
Toronto Twp.....	Nia.	.....	68,504.83	4,914,460	2,397		171	2.38	1.4	
Tottenham.....	G.B.	557	3,538.51	92,353	140		55	2.11	3.8	
Trafalgar Twp. No. 1.....	Nia.	.....	14,522.60	785,206	362		181	3.34	1.8	
Trafalgar Twp. No. 2.....	Nia.	.....	5,499.47	303,739	158		160	2.89	1.8	
Tweed.....	E.O.	1,228	5,991.46	219,134	291		63	1.72	2.7	
Uxbridge.....	G.B.	1,509	8,514.79	394,230	402		82	1.77	2.2	
Victoria Harbor.....	G.B.	1,023	3,361.20	113,915	221		43	1.27	3.0	
Wardsville.....	Nia.	236	1,373.34	37,831	56		56	2.04	3.6	
Warkworth.....	E.O.	P.V.	2,177.11	59,094	137		36	1.32	3.7	
Waterdown.....	Nia.	904	4,942.40	317,050	243		109	1.69	1.6	
Waterford.....	Nia.	1,216	6,038.51	375,085	368		85	1.37	1.6	
Watford.....	Nia.	964	6,890.76	365,520	286		107	2.01	1.9	
Waubashene.....	G.B.	P.V.	3,220.89	147,066	212		58	1.27	2.2	
Wellesley.....	Nia.	P.V.	2,371.01	93,131	128		61	1.54	2.5	
Wellington.....	E.O.	916	6,016.63	284,128	321		74	1.56	2.1	
West Lorne.....	Nia.	837	3,074.88	147,239	214		57	1.20	2.1	
Westport.....	E.O.	693	3,490.34	85,134	113		63	2.57	4.1	
Wheatley.....	Nia.	760	4,076.09	159,925	228		58	1.49	2.5	
Wiaraton.....	G.B.	1,723	7,501.29	325,414	401		68	1.56	2.3	
Williamsburg.....	E.O.	P.V.	1,989.98	253,228	101		209	1.64	0.8	
Winchester.....	E.O.	1,040	6,208.00	407,018	289		117	1.79	1.5	
Windermere.....	G.B.	118	2,688.39	44,445	61		61	3.67	6.0	
Woodbridge.....	Nia.	830	6,869.14	422,506	289		122	1.98	1.6	
Woodville.....	G.B.	421	2,166.95	87,796	115		64	1.57	2.5	
Wyoming.....	Nia.	516	2,403.29	82,085	147		47	1.36	2.9	
Zurich.....	Nia.	P.V.	3,126.35	111,377	135		69	1.93	2.8	

"D"—Concluded

in Ontario Municipalities Served by the Commission
and for Power Service during the year 1939

VILLAGES AND SUBURBAN AREAS

Commercial Light service						Power service			Total number of con- sumers
Revenue	Consumption	Number of con- sumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of con- sumers	Average monthly horse- power	
\$ c.	kw-hr.		kw-hr.	\$ c.	cents	\$ c.			
3,481.21	64,629	115	141	7.57	5.4				639
4,026.04	154,168	94	137	3.57	2.6	3,511.37	12	154.3	608
842.15	25,621	35	61	2.01	3.3	830.35	3	38.1	146
10,947.73	718,937	155	387	5.89	1.5	14,368.17	17	834.5	2,067
3,463.29	157,961	92	143	3.14	2.2	1,907.19	12	175.4	375
3,642.82	168,615	79	178	3.84	2.2	1,617.42	13	84.0	381
3,517.58	145,024	84	144	3.49	2.4	962.95	5	54.6	475
1,527.14	61,640	43	119	2.96	2.5	3,015.07	4	107.3	235
1,694.57	55,487	45	103	3.14	3.1	259.10	2	13.0	163
4,264.66	141,860	84	141	4.23	3.0	946.38	3	31.6	521
1,710.52	58,020	39	124	3.65	2.9	1,343.70	5	48.7	195
3,283.77	153,778	91	141	3.01	2.1	8,925.50	8	392.1	391
2,969.69	63,093	58	91	4.26	4.7	1,245.85	4	90.9	287
1,812.19	100,591	44	190	3.43	1.8	1,866.41	7	91.8	185
3,118.06	184,440	81	190	3.21	1.7	1,655.67	7	82.9	324
2,131.15	55,993	51	91	3.48	3.8	1,007.32	3	29.1	204
849.72	24,821	23	90	3.08	3.4	1,091.51	2	34.5	96
541.98	10,430	13	67	3.47	5.2	291.29	2	16.8	75
7,687.30	447,334	131	285	4.89	1.7	8,283.45	12	687.5	600
21,549.14	812,730	206	329	8.72	2.7	10,447.18	39	498.9	2,642
2,241.91	42,126	47	75	3.98	5.3	432.38	7	20.0	194
856.85	35,690	4	744	17.85	2.4	623.67	8	26.6	374
4,821.78	126,344	98	107	4.10	3.8	3,303.66	15	141.1	158
4,483.76	134,649	99	113	3.77	3.3	1,197.18	10	78.3	404
959.36	38,580	22	146	3.63	2.5	105.71	1	3.0	244
1,105.23	25,691	26	82	3.54	4.3	43.26	1	3.0	83
1,264.75	49,580	44	94	2.40	2.6				181
1,780.99	109,774	38	241	3.91	1.6	1,278.19	7	90.3	288
2,734.28	219,040	79	231	2.88	1.2	5,409.76	12	371.5	459
3,155.54	134,200	79	142	3.33	2.4	3,401.13	5	125.1	370
743.87	35,800	23	130	2.70	2.1	731.53	4	22.3	239
1,546.83	45,248	49	77	2.63	3.4	1,207.13	4	56.0	181
2,410.29	95,483	66	121	3.04	2.5	1,301.28	5	43.4	392
1,985.14	90,106	48	156	3.45	2.2	1,604.92	5	89.5	267
3,193.76	80,416	51	131	5.22	4.0				164
3,386.36	123,712	71	145	3.97	2.7	2,666.32	5	112.9	304
8,143.65	298,699	117	213	5.80	2.7	4,448.10	17	184.4	535
3,880.91	219,117	53	345	6.10	1.8	127.44	1	11.2	155
3,921.09	196,787	83	198	3.94	2.0	1,435.73	3	64.6	375
1,126.15	26,448	13	170	7.22	4.3	129.66	1	7.5	75
2,216.57	108,566	51	177	3.62	2.0	7,501.93	7	372.3	347
1,104.77	35,338	33	89	2.79	3.1	630.66	2	33.8	150
1,486.50	46,790	48	81	2.58	3.2	351.32	3	20.9	198
2,664.64	70,396	46	128	4.83	3.8				181

STATEMENT "E"

Cost of Power to Municipalities and Rates to Consumers for Domestic Service—Commercial Light Service—Power Service in Ontario Urban Municipalities Served by The Hydro-Electric Power Commission For the Year 1939

In Statement "E" are presented the rate schedules applicable to consumers for domestic service, for commercial light service and for power service in each of the co-operating municipalities receiving service at cost through The Hydro-Electric Power Commission.* The cost per horsepower of the power supplied at wholesale by the Commission to the municipality, an important factor in determining rates to consumers, is also stated.

Cost of Power to Municipalities

The figures in the first column represent the total cost for the year of the power supplied by the Commission to the municipality, divided by the number of horsepower supplied. Details respecting these costs are given in the "Cost of Power" tables relating to the several systems, as presented in Section IX, and an explanation of the items making up the cost of power is given in the introduction to that Section.

Rates to Consumers

The Power Commission Act stipulates that "The rates chargeable by any municipal corporation generating or receiving and distributing electrical power or energy shall at all times be subject to the approval and control of the Commission,"† in accordance with the Act and in pursuance of its fundamental principle of providing service at cost, the Commission requires that accurate cost records be kept in each municipality, and exercises a continuous supervision over the rates charged to consumers.

At the commencement of its operations, the Commission introduced scientifically-designed rate schedules for each of the three main classes into which the electrical service is usually divided, namely: residential or domestic service, commercial light service, and power service, and the schedules in use during the past year are presented in the tables of this statement.

*Except townships served as parts of rural power districts, for which consult latter part of Section III.

†R.S.O. 1937, Ch. 62, Sec. 89.

Domestic Service: Domestic rates apply to electrical service in residences, for all household purposes, including lighting, cooking and the operation of all domestic appliances.

During the past few years most of the urban municipal utilities have further simplified the domestic rate structure by abolishing the service charge, and making a suitable adjustment in the first consumption rate. Where the service charge is retained at 33 and 66 cents gross per month the charge of 33 cents per month per service is made when the permanently installed appliance load is under 2,000 watts, and the charge of 66 cents per month when 2,000 watts or more.

Commercial Light Service: Electrical energy used in stores, offices, churches, schools, public halls and institutions, hotels, public boarding-houses, and in all other premises for commercial purposes, including sign and display lighting, is billed at commercial lighting rates.

Water-Heater Service: For all consumers using continuous electric water heaters, low flat rates are available consisting of a fixed charge per month dependent on the capacity of the heating element and the cost of power to the municipal utility. Such heaters are so connected that the electrical energy they consume is not metered. For new installations the necessary equipment, including heater, thermostat, efficient insulation for water-storage tank, and wiring, is installed by a large number of municipal Hydro systems, without capital cost to the consumer.†

Power Service: The rate schedules given for power service in Statement "E" are those governing the supply of power at retail by each of the local municipal utilities. The Commission serves direct, certain large power consumers under special contracts, on behalf of the various systems of municipalities.

The rates for power service, as given in the tables, are the rates for 24-hour unrestricted power at secondary distribution voltage. For service at primary distribution voltage the rates are usually five per cent lower than those stated. In municipalities where load conditions and other circumstances permit, lower rates are available for "restricted power," discounts additional to those listed in the table being applicable.

The service charge relates to the connected load or to the maximum demand, as measured by a 10-minute average peak, where a demand meter is installed. The prompt payment discount of 10 per cent on the total monthly bill is given for settlement within 10 days.

Under the tabulation of rates for power service there is a column headed "Basis of rate 130 hours' monthly use of demand." This column shows approximately the net annual amount payable for a demand of one horsepower, assuming a monthly use of 130 hours, which includes 30 hours' use each month at the third energy rate. Broadly, the figures in this column serve to indicate approximately the relative cost of power service in the different municipalities listed.

†In addition, the municipal Hydro systems supply booster water-heating equipment to furnish extra requirements beyond the capacity of the continuous heater; current for the booster heater is measured and charged for at the regular rates.

STATEMENT

**Cost of Power to Municipalities and Rates to Consumers for
for the Year 1939, in Urban Municipalities**

Municipality C—City T—Town (pop. 2,000 or more)	Annual cost to the Commission on the works to serve electrical energy to muni- cipality on a horse- power basis	Domestic service					
		Service charge per month*	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hrs. per month	Per kw-hr. per month			
	\$ c	cents		cents	cents	\$ c.	%
Acton.....	27.88	.....	60	2.5	1.0	0.83	10
Agincourt.....	30.94	.....	60	3.4	1.1	1.11	10
Ailsa Craig.....	39.17	.....	60	2.8	0.9	0.83	10
Alexandria.....T	50.52	.....	60	5.0	1.2	1.11	10
Alliston.....T	43.74	.....	40	5.3	1.3	1.39	10
Alvinston.....	51.19	.....	60	4.7	1.2	1.38	10
Amherstburg.....T	31.36	.....	60	3.4	0.9	0.83	10
Ancaster twp.....	25.89	.....	60	3.8	1.3	0.83	10
Apple Hill.....	43.11	.....	60	5.0	1.3	1.66	10
Arkona.....	59.12	.....	60	5.0	1.8	1.78	10
Arnprior.....T	29.96	.....	55	4.5	1.0	0.83	10
Arthur.....	61.71	33-66	40	4.8	1.5	1.67	10
Athens.....	42.11	33-66	50	4.5	1.5	1.11	10
Aylmer.....T	28.31	.....	60	2.3	0.8	0.83	10
Ayr.....	28.56	.....	60	3.4	1.1	1.11	10
Baden.....	27.63	.....	60	2.5	1.0	0.83	10
Barrie.....T	31.91	.....	60	2.7	1.0	0.83	10
Bath.....	48.01	33-66	40	6.0	1.5	2.78	10
Beachville.....	28.00	.....	60	3.1	1.1	0.83	10
Beamsville.....	23.96	.....	60	3.3	1.0	0.83	10
Beaverton.....	37.57	.....	60	2.8	1.0	1.11	10
Beeton.....	59.31	.....	40	5.5	1.8	1.67	10
Belle River.....	32.17	.....	60	3.6	1.0	1.11	10
Belleville.....C	25.98	.....	55	1.9	0.7	0.83	10
Blenheim.....T	30.32	.....	60	2.5	0.9	0.83	10
Bloomfield.....	42.75	.....	50	3.4	1.3	1.11	10
Blyth.....	42.02	.....	60	3.5	1.1	1.39	10
Bolton.....	31.58	.....	55	3.6	1.3	1.11	10
Bothwell.....T	36.98	.....	60	2.4	0.8	0.83	10
Bowmanville.....T	30.79	.....	60	3.5	1.0	0.83	10
Bradford.....	46.93	.....	40	5.2	1.3	1.67	10
Brampton.....T	25.30	.....	60	2.3	1.0	0.83	10
Brantford.....C	23.85	.....	60	2.3	0.9	0.83	10
Brantford twp.....	27.15	.....	60	2.7	1.0	1.11	10
Brechin.....	46.90	.....	45	5.5	1.2	1.67	10
Bridgeport.....	29.14	.....	50	4.5	1.3	1.11	10
Brigden.....	46.54	.....	60	3.6	0.9	1.39	10
Brighton.....	31.93	.....	60	4.2	1.2	1.11	10
Brockville.....T	25.65	.....	60	1.8	0.8	0.83	10
Brussels.....	40.37	.....	50	3.8	1.1	1.39	10

*Where domestic service charge has not been abolished the charge is 33 cents per month per service when the permanently installed appliance load is under 2,000 watts and 66 cents per month when 2,000 watts or more.

“E”

Domestic Service—Commercial Light Service—Power Service Served by The Hydro-Electric Power Commission

Commercial Light service					Power service							
Service charge per 100 watts min. 1,000 watts	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours' monthly use of demand	Service charge per h.p. per month	First 50 hrs. per month per kw-hr.	Second 50 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	\$ c.	%	\$ c.	\$ c.	cents	cents	cents	\$ c.	%	%
5	1.8	0.5	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5	3.0	0.6	1.11	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5	2.2	0.6	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5	4.2	0.8	1.66	10	38.00	1.00	4.0	2.6	0.33	.....	.....	10
5	4.3	1.0	1.39	10	30.00	1.00	2.8	1.8	0.33	.....	.....	10
5	4.3	1.0	1.38	10	53.00	1.00	6.2	4.1	0.33	.....	.....	10
5	2.5	0.6	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5	3.0	0.7	0.83	10	28.00	1.00	2.5	1.6	0.33	.....	.....	10
5	5.0	1.0	1.66	10	50.00	1.00	5.7	3.8	0.33	.....	.....	10
5	5.0	1.0	1.78	10	53.00	1.00	6.2	4.1	0.33	.....	.....	10
5	4.5	1.0	0.83	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5	5.0	1.0	1.67	10	40.00	1.00	4.3	2.8	0.33	.....	.....	10
5	4.5	1.0	1.11	10	42.00	1.00	4.6	3.0	0.33	.....	.....	10
5	1.9	0.5	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5	2.5	0.7	1.11	10	32.00	1.00	3.1	2.0	0.33	.....	.....	10
5	2.2	0.7	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5	2.1	0.8	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5	6.0	1.0	2.78	10	35.00	1.00	3.5	2.3	0.33	.....	.....	10
5	2.6	0.6	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5	3.0	0.6	0.83	10	25.00	1.00	2.0	1.3	0.33	.....	.....	10
5	2.0	0.8	1.11	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5	5.5	1.0	1.67	10	35.00	1.00	3.5	2.3	0.33	.....	.....	10
5	2.7	0.6	1.11	10	32.00	1.00	3.1	2.0	0.33	.....	.....	10
4.5	1.6	0.35	0.83	10	15.00	1.00	1.3	0.8	0.33	.....	25	10
5	2.0	0.6	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5	3.0	1.0	1.11	10	38.00	1.00	4.0	2.6	0.33	.....	.....	10
5	3.4	1.0	1.39	10	45.00	1.00	4.9	3.3	0.33	.....	.....	10
5	3.2	1.0	1.11	10	26.00	1.00	2.2	1.4	0.33	.....	.....	10
5	2.0	0.5	0.83	10	27.00	1.00	2.3	1.5	0.33	.....	.....	10
5	2.6	0.7	0.83	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5	4.4	1.0	1.67	10	30.00	1.00	2.8	1.8	0.33	.....	.....	10
5	1.8	0.6	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
5	1.6	0.35	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
5	2.2	0.5	1.11	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5	4.8	0.8	1.67	10	38.00	1.00	4.0	2.6	0.33	.....	.....	10
5	4.0	0.7	1.11	10	32.00	1.00	3.1	2.0	0.33	.....	.....	10
5	3.0	0.9	1.39	10	42.00	1.00	4.6	3.0	0.33	.....	.....	10
5	3.6	0.8	1.11	10	26.00	1.00	2.2	1.4	0.33	.....	.....	10
4.5	1.6	0.4	0.83	10	16.00	1.00	1.5	0.9	0.33	.....	25	10
5	3.3	1.0	1.39	10	40.00	1.00	4.3	2.8	0.33	.....	.....	10

†Min. 500 watts.

STATEMENT

Cost of Power to Municipalities and Rates to Consumers for for the Year 1939, in Urban Municipalities

Municipality C—City T—Town (pop. 2,000 or more)	Annual cost to the Commission on the works to serve electrical energy to munici- pality on a horse- power basis	Domestic service					
		Service charge per month*	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hrs. per month	Per kw-hr. per month			
	\$ c.	cents		cents	cents	\$ c.	%
Burford.....	28.41	.....	60	2.9	0.9	0.83	10
Burgessville.....	44.27	.....	60	5.0	1.5	1.39	10
Caledonia.....	27.03	.....	60	2.5	0.8	0.83	10
Campbellville.....	44.60	.....	45	6.0	1.5	1.94	10
Cannington.....	39.15	.....	55	3.6	1.5	1.11	10
Cardinal.....	29.28	.....	55	2.5	1.1	1.11	10
Carleton Place.....T	26.88	.....	55	2.8	1.0	0.83	10
Cayuga.....	37.70	.....	60	3.8	1.1	1.39	10
Chatham.....C	25.56	.....	60	3.0	0.9	0.83	10
Chatsworth.....	38.91	.....	45	3.5	1.2	1.39	10
Chesley.....T	35.83	.....	55	2.9	1.1	1.11	10
Chesterville.....	32.57	.....	55	2.3	1.0	0.83	10
Chippawa.....	19.39	.....	60	2.8	0.9	1.11	10
Clifford.....	42.99	.....	55	4.0	1.2	1.39	10
Clinton.....T	30.71	.....	60	2.8	1.1	1.11	10
Cobden.....	51.23	.....	30	4.5	1.2	1.39	10
Cobourg.....T	31.41	.....	55	3.4	1.1	0.83	10
Colborne.....	32.62	.....	60	4.0	1.1	0.83	10
Coldwater.....	33.82	33-66	55	2.5	1.0	1.11	10
Collingwood.....T	34.83	.....	55	2.8	1.0	0.83	10
Comber.....	41.05	.....	60	3.6	0.9	1.11	10
Cookstown.....	43.88	.....	40	5.2	1.2	1.67	10
Cottam.....	36.14	.....	60	3.6	1.0	1.39	10
Courtright.....	52.95	.....	55	5.0	1.5	1.66	10
Creemore.....	44.91	.....	45	3.8	1.0	1.39	10
Dashwood.....	34.80	.....	60	4.2	1.0	1.11	10
Delaware.....	29.30	.....	60	3.5	1.2	1.11	10
Delhi.....	29.74	.....	60	3.6	1.0	0.83	10
Deseronto.....T	41.79	.....	50	4.8	1.2	0.83	10
Dorchester.....	31.63	.....	60	3.0	1.1	0.83	10
Drayton.....	45.15	.....	55	4.0	1.3	1.11	10
Dresden.....T	35.57	.....	60	2.6	0.8	0.83	10
Drumbo.....	31.89	.....	60	3.8	1.1	1.11	10
Dublin.....	42.43	.....	60	4.0	1.2	1.39	10
Dundalk.....	38.15	.....	55	3.0	1.0	1.11	10
Dundas.....T	22.76	.....	60	2.5	0.9	0.83	10
Dunnville.....T	22.66	.....	60	2.4	0.8	0.83	10
Durham.....T	38.74	.....	55	2.5	1.0	0.83	10
Dutton.....	30.99	.....	60	2.1	0.8	0.83	10
East York twp.....	27.53	.....	60	2.5	1.1	0.83	10
Elmira.....T	27.65	.....	60	3.4	1.0	0.83	10
Elmvale.....	38.55	.....	55	3.4	1.2	0.83	10
Elmwood.....	41.14	.....	45	4.5	1.0	1.39	10
Elora.....	30.51	.....	60	3.1	1.2	1.11	10
Embro.....	34.35	.....	60	3.4	1.2	1.39	10

*Where domestic service charge has not been abolished the charge is 33 cents per month per service when the permanently installed appliance load is under 2,000 watts and 66 cents per month when 2,000 watts or more.

"E"—Continued

Domestic Service—Commercial Light Service—Power Service
Served by The Hydro-Electric Power Commission

Commercial Light service					Power service							
Service charge per 100 watts min. 1,000 watts	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours' monthly use of demand	Service charge per h.p. per month	First 50 hrs. per month per kw-hr.	Second 50 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	\$ c.	%	\$ c.	\$ c.	cents	cents	cents	\$ c.	%	%
5	2.0	0.6	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5	4.5	1.0	1.39	10	35.00	1.00	3.5	2.3	0.33	.....	10	10
5	2.0	0.5	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5	5.8	1.0	1.94	10	40.00	1.00	4.3	2.8	0.33	.....	10	10
5	2.8	1.0	1.11	10	33.00	1.00	3.2	2.1	0.33	.....	10	10
5	2.3	1.0	1.11	10	32.00	1.00	3.1	2.0	0.33	.....	10	10
5	2.2	0.8	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5	3.5	1.0	1.39	10	32.00	1.00	3.1	2.0	0.33	.....	10	10
5	2.3	0.6	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5	3.0	1.0	1.39	10	30.00	1.00	2.8	1.8	0.33	.....	10	10
5	2.4	0.8	1.11	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5	2.3	1.0	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5	2.0	0.6	1.11	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5	4.0	1.0	1.39	10	40.00	1.00	4.3	2.8	0.33	.....	10	10
5	2.4	0.7	1.11	10	26.00	1.00	2.2	1.4	0.33	.....	10	10
5	4.0	1.0	1.39	10	40.00	1.00	4.3	2.8	0.33	.....	10	10
5	2.7	0.9	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5	3.0	1.0	0.83	10	32.00	1.00	3.1	2.0	0.33	.....	10	10
5	2.5	1.0	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	10	10
5	2.3	0.8	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5	2.9	0.9	1.11	10	27.00	1.00	2.3	1.5	0.33	.....	10	10
5	4.5	1.0	1.67	10	32.00	1.00	3.1	2.0	0.33	.....	10	10
5	2.8	0.9	1.39	10	50.00	1.00	2.8	1.8	0.33	.....	10	10
5	4.5	1.0	1.66	10	50.00	1.00	5.7	3.8	0.33	.....	10	10
5	3.0	0.9	1.39	10	26.00	1.00	2.2	1.4	0.33	.....	10	10
5	3.9	0.9	1.11	10	40.00	1.00	4.3	2.8	0.33	.....	10	10
5	3.0	1.0	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	10	10
5	2.8	0.9	0.83	10	36.00	1.00	3.7	2.4	0.33	.....	10	10
5	3.8	1.0	0.83	10	30.00	1.00	2.8	1.8	0.33	.....	10	10
5	2.2	1.0	0.83	10	27.00	1.00	2.3	1.5	0.33	.....	10	10
5	3.4	0.7	1.11	10	32.00	1.00	3.1	2.0	0.33	.....	10	10
5	2.0	0.6	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5	3.0	0.8	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	10	10
5	4.0	1.0	1.39	10	36.00	1.00	3.7	2.4	0.33	.....	10	10
5	2.5	0.8	1.11	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5	1.9	0.5	0.83	10	16.00	1.00	1.5	0.9	0.33	.....	25	10
5	2.0	0.6	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
5	2.1	0.8	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5	1.8	0.4	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5	2.0	0.6	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5	2.8	0.7	0.83	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5	2.4	1.0	0.83	10	28.00	1.00	2.5	1.6	0.33	.....	10	10
5	3.7	1.0	1.39	10	33.00	1.00	3.2	2.1	0.33	.....	10	10
5	2.8	0.7	1.11	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5	2.8	0.8	1.39	10	35.00	1.00	3.5	2.3	0.33	.....	10	10

STATEMENT

Cost of Power to Municipalities and Rates to Consumers for for the Year 1939, in Urban Municipalities

Municipality C—City T—Town (pop. 2,000 or more)	Annual cost to the Commission on the works to serve electrical energy to munici- pality on a horse- power basis	Domestic service					
		Service charge per month*	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hrs. per month	Per kw-hr. per month			
	\$ c.	cents		cents	cents	\$ c.	%
Erieau.....	38.91	.....	60	3.8	1.1	1.39	10
Erie Beach.....	49.57	.....	60	5.3	1.5	1.67	10
Essex.....T	29.59	.....	60	2.5	0.9	0.83	10
Etobicoke twp.....	23.48	.....	60	2.7	1.1	0.83	10
Exeter.....	30.59	.....	60	3.0	0.9	0.83	10
Fergus.....	28.98	.....	55	3.3	1.3	1.11	10
Finch.....	40.97	.....	45	3.0	1.2	1.39	10
Flesherton.....	43.02	.....	55	3.0	1.0	1.11	10
Fonthill.....	24.29	.....	60	3.4	1.1	1.39	10
Forest.....T	35.87	.....	60	3.5	0.9	1.11	10
Forest Hill.....	24.06	33-66	60	2.0	1.3	0.83	10
Fort William.....C	21.06	.....	60	2.1	0.9	0.83	10
Galt.....C	24.15	.....	60	2.8	0.8	0.83	10
Gamebridge.....	.....	.....	45	5.5	1.2	1.67	10
Georgetown.....T	29.42	.....	60	3.0	0.9	0.83	10
Glencoe.....	44.91	.....	60	4.0	0.9	1.11	10
Glen Williams.....	.....	33-66	60	2.7	1.1	0.83	10
Goderich.....T	32.94	.....	55	3.3	1.0	0.83	10
Grand Valley.....	52.22	.....	45	5.0	1.2	1.39	10
Granton.....	37.98	.....	60	3.3	1.2	1.11	10
Gravenhurst.....T	26.79	.....	55	2.2	0.9	0.83	10
Guelph.....C	24.03	.....	60	2.0	0.8	0.83	10
Hagersville.....	28.45	.....	60	2.5	1.0	0.83	10
Hamilton.....C	21.84	.....	60	2.4	0.8	0.83	10
Hanover.....T	32.62	.....	60	2.8	1.3	0.83	10
Harriston.....T	33.20	.....	55	3.0	1.0	1.11	10
Harrow.....T	31.06	.....	60	3.3	1.0	0.83	10
Hastings.....	39.95	.....	45	4.2	1.2	1.11	10
Havelock.....	43.26	.....	50	4.2	1.2	0.83	10
Hensall.....	37.66	.....	60	3.8	1.1	1.11	10
Hespeler.....T	24.10	.....	60	3.0	0.9	0.83	10
Highgate.....	37.04	.....	60	3.2	0.9	1.11	10
Holstein.....	79.40	.....	40	5.5	1.3	1.67	10
Humberstone.....	22.91	.....	60	2.8	0.8	0.83	10
Huntsville.....T	30.86	.....	60	2.0	0.9	0.83	10
Ingersoll.....T	25.45	.....	60	2.4	0.9	0.83	10
Jarvis.....	35.57	.....	60	3.4	1.0	1.11	10
Kemptville.....	31.74	.....	55	3.5	1.2	0.83	10
Kincardine.....T	41.51	.....	40	4.5	1.5	1.11	10
Kingston.....C	28.07	.....	50	2.2	0.8	0.83	10
Kingsville.....T	30.20	.....	60	2.8	0.9	0.83	10
Kirkfield.....	57.14	33-66	40	5.5	1.5	2.22	10
Kitchener.....C	23.50	.....	60	2.2	0.8	0.83	10
Lakefield.....	36.31	.....	50	3.6	1.2	0.83	10
Lambeth.....	32.83	.....	60	3.0	1.0	1.11	10

*Where domestic service charge has not been abolished the charge is 33 cents per month per service when the permanently installed appliance load is under 2,000 watts and 66 cents per month when 2,000 watts or more.

“E”—Continued

Domestic Service—Commercial Light Service—Power Service

Served by The Hydro-Electric Power Commission

Commercial Light service					Power service							
Service charge per 100 watts min. 1,000 watts	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours' monthly use of demand	Service charge per h.p. per month	First 50 hrs. per month per kw-hr.	Second 50 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	\$ c.	%	\$ c.	\$ c.	cents	cents	cents	\$ c.	%	%
5	3.6	1.0	1.39	10	40.00	1.00	4.3	2.8	0.33	2.22	.....	10
5	5.0	1.0	1.67	10	50.00	1.00	5.7	3.8	0.33	.....	.....	10
5	2.0	0.6	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5	2.0	0.6	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5	2.2	0.5	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5	2.6	0.7	1.11	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5	2.8	1.0	1.39	10	35.00	1.00	3.5	2.3	0.33	.....	.....	10
5	2.5	0.8	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	.....	10
5	2.7	0.7	1.39	10	30.00	1.00	2.8	1.8	0.33	.....	.....	10
5	3.0	0.6	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	.....	10
5	2.0	0.75	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5	2.0	0.4	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
5	2.3	0.4	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5	4.8	0.8	1.67	10	38.00	1.00	4.0	2.6	0.33	.....	.....	10
5	2.0	0.5	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5	3.1	1.0	1.11	10	34.00	1.00	3.4	2.2	0.33	.....	.....	10
5	2.8	0.75	0.83	10	30.00	1.00	2.8	1.8	0.33	.....	.....	10
5	2.7	0.6	0.83	10	25.00	1.00	2.0	1.3	0.33	.....	.....	10
5	4.3	1.0	1.39	10	33.00	1.00	3.2	2.1	0.33	.....	.....	10
5	2.6	1.0	1.11	10	27.00	1.00	2.3	1.5	0.33	.....	.....	10
5	1.8	0.5	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5	1.6	0.3	0.83	10	14.00	1.00	1.1	0.7	0.33	.....	25	10
5	2.0	0.75	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
†5	1.6	0.35	0.83	10	15.00	1.00	1.3	0.8	0.33	.....	25	10
5	2.3	0.8	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5	2.6	0.7	1.11	10	25.00	1.00	2.0	1.3	0.33	.....	.....	10
5	2.6	0.7	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5	3.8	1.0	1.11	10	37.00	1.00	3.8	2.5	0.33	.....	.....	10
5	3.8	1.0	0.83	10	35.00	1.00	3.5	2.3	0.33	.....	.....	10
5	3.3	1.0	1.11	10	26.00	1.00	2.2	1.4	0.33	.....	.....	10
5	2.2	0.6	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5	2.8	0.7	1.11	10	29.00	1.00	2.6	1.7	0.33	.....	.....	10
5	5.0	0.8	1.67	10	50.00	1.00	5.7	3.8	0.33	.....	.....	10
5	2.0	0.5	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5	1.8	0.7	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5	1.9	0.5	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
5	2.6	0.7	1.11	10	26.00	1.00	2.2	1.4	0.33	.....	.....	10
5	2.8	1.0	0.83	10	27.00	1.00	2.3	1.5	0.33	.....	.....	10
5	3.6	0.9	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	.....	10
5	1.6	0.5	0.83	10	16.00	1.00	1.5	0.9	0.33	.....	25	10
5	1.9	0.6	0.83	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5	5.5	1.0	2.22	10	40.00	1.00	4.3	2.8	0.33	.....	.....	10
5	1.9	0.4	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5	2.8	1.0	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5	2.6	0.8	1.11	10	29.00	1.00	2.6	1.7	0.33	.....	.....	10

†Next 360 hours' use.

††All additional.

†Min. 500 watts.

STATEMENT

**Cost of Power to Municipalities and Rates to Consumers for
for the Year 1939, in Urban Municipalities**

Municipality C—City T—Town (pop. 2,000 or more)	Annual cost to the Commission on the works to serve electrical energy to munici- pality on a horse- power basis	Domestic service					
		Service charge per month*	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hrs. per month	Per kw-hr. per month			
	\$ c.	cents		cents	cents	\$ c.	%
Lanark.....	37.83	.....	50	4.2	1.3	0.83	10
Lancaster.....	53.53	.....	60	4.5	1.2	1.39	10
La Salle.....T	31.08	.....	60	3.8	1.2	1.11	10
Leamington.....T	30.32	.....	60	2.3	0.8	0.83	10
Leaside.....T	.....	a3	..	b1.8	1.3	0.83	10
Lindsay.....T	32.78	.....	60	2.5	0.9	0.83	10
Listowel.....T	28.97	.....	55	2.7	1.0	0.83	10
London.....C	23.23	.....	60	2.4	0.9	0.83	10
London twp.....	26.89	.....	60	2.8	0.9	1.11	10
Long Branch.....	24.78	.....	60	2.5	1.1	0.83	10
Lucan.....	29.81	.....	60	3.4	1.1	1.11	10
Lucknow.....	47.31	.....	45	4.5	1.5	1.67	10
Lynden.....	30.80	.....	60	3.4	1.1	1.39	10
Madoc.....	46.48	.....	50	3.2	1.2	0.83	10
Markdale.....	36.04	.....	55	3.1	1.1	1.11	10
Markham.....	29.50	.....	60	3.0	1.0	0.83	10
Marmora.....	36.81	.....	60	4.0	1.0	1.11	10
Martintown.....	37.83	.....	50	3.0	1.0	1.11	10
Maxville.....	48.00	.....	55	5.0	1.2	1.11	10
Meaford.....T	38.95	.....	60	3.0	1.1	0.83	10
Merlin.....	37.08	.....	60	3.8	1.0	1.11	10
Merritton.....T	20.03	.....	60	2.4	0.9	0.83	10
Midland.....T	31.98	.....	60	2.5	1.0	0.83	10
Mildmay.....	41.12	.....	40	3.6	1.0	1.39	10
Millbrook.....	42.09	33	60	5.5	2.0	0.83	10
Milton.....T	27.87	.....	60	3.5	1.2	0.83	10
Milverton.....	28.95	.....	60	2.7	1.0	0.90	10
Mimico.....T	22.86	.....	60	2.7	1.1	0.83	10
Mitchell.....T	28.86	.....	60	2.9	1.1	0.83	10
Moorefield.....	51.97	.....	50	4.2	1.2	1.39	10
Morrisburg.....	31.57	†3	60	2.0	1.0	0.83	10
Mount Brydges.....	32.32	.....	60	2.8	0.9	1.11	10
Mount Forest.....T	43.55	.....	60	2.7	1.25	0.83	10
Napanee.....T	29.58	.....	50	3.5	1.2	0.83	10
Neustadt.....	49.64	33-66	60	6.0	2.0	1.67	10
Newbury.....	43.62	.....	55	5.0	1.2	1.38	10
Newcastle.....	33.31	.....	60	5.0	1.5	1.11	10
New Hamburg.....	27.86	.....	60	3.3	1.1	0.83	10
New Toronto.....T	24.94	.....	60	2.4	1.0	0.83	10
Niagara Falls.....C	17.08	.....	60	2.2	0.8	0.83	10

*Where domestic service charge has not been abolished the charge is 33 cents per month per service when the permanently installed appliance load is under 2,000 watts and 66 cents per month when 2,000 watts or more.

†Service charge per 100 sq. ft.

‡First 50 hours' use 4 cents per kw-hr. Second 50 hours' use 2 cents per kw-hr.

"E"—Continued

Domestic Service—Commercial Light Service—Power Service
Served by The Hydro-Electric Power Commission

Commercial Light service					Power service							
Service charge per 100 watts min. 1,000 watts	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours' monthly use of demand	Service charge per h.p. per month	First 50 hrs. per month per kw-hr.	Second 50 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	\$ c.	%	\$ c.	\$ c.	cents	cents	cents	\$ c.	%	%
5	3.7	1.0	0.83	10	45.00	1.00	4.9	3.3	0.33	.....	.....	10
5	4.5	1.0	1.39	10	56.00	1.00	6.6	4.4	0.33	.....	.....	10
5	3.3	1.0	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	.....	10
5	1.8	0.5	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
.....	c3 & 1	1/3	0.83	10	.....	d1.10 0.90	2.0	1.0	e1/3 1/6	.....	.....	10
5	2.2	0.7	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5	2.3	0.5	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5	1.8	0.4	0.83	10	16.00	1.00	1.5	0.9	0.33	.....	25	10
5	2.2	0.6	1.11	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5	2.0	0.6	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5	3.0	0.6	1.11	10	26.00	1.00	2.2	1.4	0.33	.....	.....	10
5	3.8	1.0	1.67	10	38.00	1.00	4.0	2.6	0.33	.....	.....	10
5	3.0	1.0	0.83	10	25.00	1.00	2.0	1.3	0.33	.....	.....	10
5	3.0	0.9	0.83	10	35.00	1.00	3.5	2.3	0.33	.....	.....	10
5	2.3	1.0	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	.....	10
5	2.6	0.7	0.83	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5	3.6	1.0	1.11	10	40.00	1.00	4.3	2.8	0.33	.....	.....	10
5	3.0	1.0	1.66	10	45.00	1.00	4.9	3.3	0.33	.....	.....	10
5	4.8	1.0	1.11	10	45.00	1.00	4.9	3.3	0.33	.....	.....	10
5	2.4	0.8	0.83	10	26.00	1.00	2.2	1.4	0.33	.....	.....	10
5	3.2	0.9	1.11	10	30.00	1.00	2.8	1.8	0.33	2.22	.....	10
5	1.7	0.5	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
5	2.0	0.9	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
5	2.8	0.8	1.39	10	34.00	1.00	3.4	2.2	0.33	.....	.....	10
5	5.5	2.0	0.83	10	40.00	1.00	4.3	2.8	0.33	.....	.....	10
5	2.6	0.6	0.83	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5	2.5	0.7	0.90	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5	2.0	0.6	0.83	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5	2.4	0.7	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5	3.8	1.0	1.39	10	40.00	1.00	4.3	2.8	0.33	.....	.....	10
.....	4.0 } † 2.0 }	1.0	0.83	10	25.00	1.00	2.0	1.3	0.33	.....	.....	10
5	2.2	0.6	1.11	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5	2.2	0.9	0.83	10	28.00	1.00	2.5	1.6	0.33	.....	.....	10
5	2.8	0.75	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5	6.0	1.0	1.67	10	40.00	1.00	4.3	2.8	0.33	.....	.....	10
5	4.5	1.0	1.38	10	47.00	1.00	5.2	3.5	0.33	.....	.....	10
5	4.5	1.5	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	.....	10
5	2.4	0.7	0.83	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5	1.8	0.5	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5	1.6	0.35	0.83	10	15.00	1.00	1.3	0.8	0.33	.....	25	10

aService charge per 100 sq. ft.

bPer kw-hr. for first 3 kw-hrs. per 100 sq. ft.

cFirst 90 hours' use 3 cents per kw-hr. Next 90 hours' use 1 cent per kw-hr.

dFirst 7.5 kilowatts \$1.10 per kilowatt. All additional 90 cents per kilowatt.

e1/3 cent per kw-hr., next 300 hours. All additional 1/6 cent per kw-hr.

STATEMENT

**Cost of Power to Municipalities and Rates to Consumers for
for the Year 1939, in Urban Municipalities**

Municipality C—City T—Town (pop. 2,000 or more)	Annual cost to the Commission on the works to serve electrical energy to munici- pality on a horse- power basis	Domestic service					
		Service charge per month*	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hrs. per month	Per kw-hr. per month			
	\$ c.	cents		cents	cents	\$ c.	%
Niagara-on-the-Lake . . . T	20.29	.....	60	2.6	1.0	0.83	10
Nipigon twp.	25.71	.....	60	3.0	1.0	1.11	10
North York twp.	26.29	.....	55	4.0	1.4	1.11	10
Norwich.	28.77	.....	60	2.8	0.9	0.83	10
Norwood.	33.23	.....	50	4.0	1.2	1.11	10
Oil Springs.	35.03	.....	60	2.6	0.9	1.11	10
Omemee. ....	.....	.....	60	3.5	1.3	0.83	10
Orangeville. T	43.66	.....	55	3.0	1.0	1.11	10
Orono.	39.78	33	60	5.5	2.0	1.11	10
Oshawa. C	30.40	.....	50	3.8	1.1	0.83	10
Ottawa. C	14.31	33-66	{60 60	{2.0 1.0}	0.5	0.83	10
Otterville.	34.02	.....	60	2.8	0.9	1.11	10
Owen Sound. C	32.70	.....	60	2.1	0.8	0.83	10
Paisley.	46.92	.....	45	5.0	1.0	1.39	10
Palmerston. T	31.15	.....	60	2.7	1.1	1.11	10
Paris. T	24.12	.....	60	2.3	0.9	0.83	10
Parkhill. T	44.64	.....	60	4.2	1.1	1.39	10
Penetanguishene. T	34.99	.....	55	3.2	1.1	0.83	10
Perth. T	26.62	.....	55	2.8	1.0	0.83	10
Peterborough. C	26.35	.....	55	2.7	1.2	0.83	10
Petrolia. T	31.79	.....	60	2.7	0.8	0.83	10
Pictou. T	36.59	.....	60	2.8	1.0	0.83	10
Plattsville.	41.15	.....	60	3.8	1.1	1.11	10
Point Edward.	31.45	.....	60	3.2	1.0	0.83	10
Port Arthur. C	20.85	.....	50	2.0	0.8	0.83	10 & 10
Port Colborne. T	22.68	.....	60	3.0	1.0	0.83	10
Port Credit.	27.33	.....	60	2.5	1.0	0.83	10
Port Dalhousie.	23.72	.....	60	2.6	1.0	0.83	10
Port Dover.	29.34	.....	60	2.5	0.9	0.83	10
Port Elgin.	40.73	33-66	40	2.5	1.2	1.11	10
Port Hope. T	30.75	.....	60	2.4	0.9	0.83	10
Port McNicoll.	36.77	.....	50	4.0	1.5	0.83	10
Port Perry.	44.09	.....	50	4.0	1.2	1.11	10
Port Rowan.	34.21	.....	60	3.6	1.1	1.67	10
Port Stanley.	32.72	.....	60	3.1	1.0	0.83	10
Prescot. T	26.40	.....	60	2.3	1.0	0.83	10
Preston. T	23.79	.....	60	2.6	0.8	0.83	10
Priceville.	56.29	33-66	60	6.0	1.5	1.67	10
Princeton.	38.80	.....	60	3.3	1.2	1.67	10
Queenston.	20.87	.....	60	3.0	1.3	1.11	10

*Where domestic service charge has not been abolished the charge is 33 cents per month per service when the permanently installed appliance load is under 2,000 watts and 66 cents per month when 2,000 watts or more.

"E"—Continued

Domestic Service—Commercial Light Service—Power Service
Served by The Hydro-Electric Power Commission

Commercial Light service					Power service							
Service charge per 100 watts min. 1,000 watts	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours' monthly use of demand	Service charge per h.p. per month	First 50 hrs. per month per kw-hr.	Second 50 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	\$ c.	%	\$ c.	\$ c.	cents	cents	cents	\$ c.	%	%
5	2.2	0.5	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5	2.4	0.8	1.11	10	25.00	1.00	2.0	1.3	0.33	.....	.....	10
5	3.3	0.7	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	.....	10
5	2.2	0.6	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5	3.6	1.0	1.11	10	38.00	1.00	4.0	2.6	0.33	.....	.....	10
5	2.4	0.6	1.11	10	27.00	1.00	2.3	1.5	0.33	.....	.....	10
5	3.5	1.0	0.83	10	30.00	1.00	2.8	1.8	0.33	.....	.....	10
5	2.0	0.8	1.11	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5	5.5	1.5	1.11	10	40.00	1.00	4.3	2.8	0.33	.....	.....	10
5	2.8	0.8	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
.....	†5.0	0.5	0.83	10	18.00	1.00	1.8	1.2	0.15	.....	15+10	10
5	†2.2	0.6	1.11	10	26.00	1.00	2.2	1.4	0.33	.....	.....	10
5	2.5	0.7	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
5	1.8	1.0	1.39	10	42.00	1.00	4.6	3.0	0.33	.....	.....	19
5	2.2	0.9	1.11	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5	1.8	0.4	0.83	10	16.00	1.00	1.5	0.9	0.33	.....	25	10
5	4.0	0.9	1.39	10	36.00	1.00	3.7	2.4	0.33	.....	.....	10
5	2.8	0.8	0.83	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5	2.0	0.6	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
5	2.3	0.9	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5	2.1	0.5	0.83	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5	2.0	0.8	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5	3.2	1.0	1.11	10	32.00	1.00	3.1	2.0	0.33	2.00	.....	10
5	2.4	0.6	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5	1.8	0.3	0.83	10&10	17.00	1.00	1.7	1.1	0.33	.....	25	10
5	2.5	0.6	0.83	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5	2.0	0.7	0.83	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5	2.0	0.6	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
5	2.1	0.8	0.83	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5	2.5	0.8	1.11	10	26.00	1.00	2.2	1.4	0.33	.....	.....	10
5	2.2	0.6	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5	3.5	1.0	0.83	10	35.00	1.00	3.5	2.3	0.33	.....	.....	10
5	3.2	1.0	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	.....	10
5	3.2	0.9	1.67	10	32.00	1.00	3.1	2.0	0.33	.....	.....	10
5	2.4	0.6	0.83	10	28.00	1.00	2.5	1.6	0.33	.....	.....	10
5	2.0	0.8	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5	2.1	0.5	0.83	10	16.00	1.00	1.5	0.9	0.33	.....	25	10
5	6.0	1.0	1.67	10	40.00	1.00	4.3	2.8	0.33	.....	.....	10
5	3.0	1.0	1.67	10	26.00	1.00	2.2	1.4	0.33	.....	.....	10
5	2.8	1.0	1.11	10	25.00	1.00	2.0	1.3	0.33	.....	.....	10

†First 30 hours' use per kw-hr.

††Next 70 hours' use per kw-hr.

†0.33 cents per kw-hr. for next 360 hours' use plus 0.133 cents per kw-hr. for all additional.

STATEMENT

**Cost of Power to Municipalities and Rates to Consumers for
for the Year 1939, in Urban Municipalities**

Municipality	Annual cost to the Commission on the works to serve electrical energy to municipality on a horse-power basis	Domestic service					
		Service charge per month*	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hrs. per month	Per kw-hr. per month			
C—City T—Town (pop. 2,000 or more)							
	\$ c.	cents		cents	cents	\$ c.	%
Richmond.....	44.93	.....	35	5.0	1.5	1.67	10
Richmond Hill.....	27.77	33-66	60	2.0	0.8	0.83	10
Ridgetown.....T	30.18	.....	60	2.3	0.8	0.83	10
Ripley.....	61.35	.....	55	6.0	1.5	1.67	10
Riverside.....T	29.39	.....	60	3.7	1.1	0.83	10
Rockwood.....	33.28	.....	60	3.3	1.1	1.11	10
Rodney.....	39.53	.....	60	2.6	0.8	0.83	10
Rosseau.....	77.43	‡33	..	6.0	2.0	‡2.22	10
Russell.....	43.59	.....	55	4.8	1.2	1.39	10
St. Catharines.....C	20.03	.....	45-60	2.2	0.8	0.83	10
St. Clair Beach.....	36.72	.....	60	4.2	1.3	1.67	10
St. George.....	32.49	.....	60	3.2	1.1	1.11	10
St. Jacobs.....	26.80	.....	60	2.8	1.0	0.83	10
St. Marys.....T	29.21	.....	60	3.1	1.0	0.83	10
St. Thomas.....C	23.58	.....	60	2.4	0.8	0.83	10
Sarnia.....C	28.05	.....	60	2.5	0.8	0.83	10
Scarboro twp.....	24.99	.....	60	2.9	1.1	0.83	10
Seaforth.....T	29.36	.....	60	2.9	1.1	0.83	10
Shelburne.....	41.78	.....	50	3.8	1.0	1.11	10
Simcoe.....T	24.83	.....	60	2.2	0.8	0.83	10
Smiths Falls.....T	24.59	.....	55	3.0	1.0	0.83	10
Southampton.....T	40.07	.....	40	3.6	1.2	1.11	10
Springfield.....	40.65	.....	60	3.6	1.1	1.11	10
Stamford twp.....	17.36	.....	60	3.0	1.0	0.83	10
Stayner.....T	36.81	.....	55	3.0	1.1	0.83	10
Stirling.....	27.03	.....	60	2.5	1.0	0.83	10
Stouffville.....	33.96	.....	60	3.0	1.1	0.83	10
Stratford.....C	25.10	.....	60	2.8	0.9	0.83	10
Strathroy.....T	26.68	.....	60	2.6	0.8	0.83	10
Streetsville.....	29.64	.....	55	3.5	1.0	0.83	10
Sunderland.....	48.91	.....	45	4.7	1.2	1.39	10
Sutton.....	38.56	.....	50	4.0	1.5	1.11	10
Swansea.....	25.67	33-66	60	2.0	1.3	0.83	10
Tara.....	42.76	.....	40	4.5	1.8	1.11	10
Tavistock.....	28.78	.....	60	3.0	1.0	0.83	10
Tecumseh.....T	33.09	.....	60	4.0	1.1	1.11	10
Teeswater.....	46.28	.....	50	5.0	1.3	1.39	10
Thamesford.....	31.05	.....	60	2.7	0.9	1.11	10
Thamesville.....	31.37	.....	60	2.6	0.9	0.83	10
Theford.....	51.48	.....	55	5.0	1.2	1.11	10
Thorndale.....	38.55	.....	60	4.5	1.5	1.39	10
Thornton.....	53.13	.....	60	6.0	1.5	1.67	10
Thorold.....T	21.21	.....	60	2.2	0.8	0.83	10
Tilbury.....T	31.07	.....	60	2.2	0.8	0.83	10
Tillsonburg.....T	26.82	.....	60	2.3	0.8	0.83	10

*Where domestic service charge has not been abolished the charge is 33 cents per month per service when the permanently installed appliance load is under 2,000 watts and 66 cents per month when 2,000 watts or more.

"E"—Continued

Domestic Service—Commercial Light Service—Power Service
Served by The Hydro-Electric Power Commission

Commercial Light service					Power service							
Service charge per 100 watts min. 1,000 watts	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours' monthly use of demand	Service charge per h.p. per month	First 50 hrs. per month per kw-hr.	Second 50 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	\$ c.	%	\$ c.	\$ c.	cents	cents	cents	\$ c.	%	%
5	5.0	1.0	1.67	10	55.00	1.00	6.5	4.3	0.33	.....	.....	10
5	2.0	0.5	0.83	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5	1.8	0.5	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5	5.0	1.0	1.67	10	50.00	1.00	5.7	3.8	0.33	.....	.....	10
5	2.6	0.7	0.83	10	25.00	1.00	2.0	1.3	0.33	.....	.....	10
5	2.5	0.7	1.11	10	32.00	1.00	3.1	2.0	0.33	.....	.....	10
5	2.3	0.5	0.83	10	25.00	1.00	2.0	1.3	0.33	.....	.....	10
5	6.0	2.0	2.22	10	58.00	1.00	6.9	4.6	0.33	.....	.....	10
5	4.5	1.0	1.39	10	50.00	1.00	5.7	3.8	0.33	.....	.....	10
†5	1.5	1/3	0.83	10	14.00	1.00	1.1	0.7	\$0.33 0.16}	.....	25	10
5	4.3	1.0	1.67	10	35.00	1.00	3.5	2.3	0.33	.....	.....	10
5	2.7	0.6	1.11	10	26.00	1.00	2.2	1.4	0.33	.....	.....	10
5	2.4	0.7	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5	2.5	0.8	0.83	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5	1.7	0.3	0.83	10	15.00	1.00	1.3	0.8	0.33	.....	25	10
5	1.9	0.4	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5	2.2	0.5	0.83	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5	2.2	0.7	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5	2.5	0.9	1.11	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5	1.8	0.4	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5	2.0	0.5	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5	2.8	0.8	1.11	10	25.00	1.00	2.0	1.3	0.33	.....	.....	10
5	3.0	1.0	1.11	10	34.00	1.00	3.4	2.2	0.33	.....	.....	10
5	2.0	0.5	0.83	10	16.00	1.00	1.5	0.9	0.33	.....	25	10
5	2.3	0.9	0.83	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5	2.0	1.0	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5	2.6	0.7	0.83	10	25.00	1.00	2.0	1.3	0.33	.....	.....	10
5	2.0	0.4	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5	2.0	0.5	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5	2.5	0.7	0.83	10	26.00	1.00	2.2	1.4	0.33	.....	.....	10
5	4.0	1.0	1.39	10	35.00	1.00	3.5	2.3	0.33	.....	.....	10
5	3.7	1.0	1.11	10	36.00	1.00	3.7	2.4	0.33	.....	.....	10
5	2.0	0.75	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5	3.6	0.8	1.11	10	38.00	1.00	4.0	2.6	0.33	.....	.....	10
5	2.3	0.7	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5	3.2	0.7	1.11	10	26.00	1.00	2.2	1.4	0.33	.....	.....	10
5	4.0	1.0	1.39	10	40.00	1.00	4.3	2.8	0.33	.....	.....	10
5	2.1	0.6	1.11	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5	2.0	0.5	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5	4.6	1.0	1.11	10	48.00	1.00	5.4	3.6	0.33	.....	.....	10
5	3.7	0.9	1.39	10	42.00	1.00	4.6	3.0	0.33	.....	.....	10
5	5.5	1.0	1.67	10	40.00	1.00	4.3	2.8	0.33	.....	.....	10
5	1.6	0.35	0.83	10	16.00	1.00	1.5	0.9	0.33	.....	25	10
5	1.7	0.4	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
5	1.8	0.4	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10

†According to consumers' demand.

†Min. 500 watts.

\$0.33 cents per kw-hr. for next 200 hours' use, plus 0.16 cents per kw-hr. for all additional.

STATEMENT

Cost of Power to Municipalities and Rates to Consumers for for the Year 1939, in Urban Municipalities

Municipality	Annual cost to the Commission on the works to serve electrical energy to municipality on a horse-power basis	Domestic service					
		Service charge per month*	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hrs. per month	Per kw-hr. per month			
C—City T—Town (pop. 2,000 or more)							
Toronto.....C	\$ c. 22.22	cents a3	..	cents b1.8	cents 1.0	\$ c. 0.83	% 10
Toronto twp.....	26.88	.....	60	2.9	1.0	1.11	10
Tottenham.....	66.28	.....	35	5.5	1.5	1.67	10
Trafalgar Twp. Area 1.	26.55	.....	60	3.1	1.7	0.83	10
Trafalgar Twp. Area 2.	28.16	.....	60	3.6	1.2	†2.22 1.11	10
Trenton.....T	24.60	.....	50	3.0	1.0	0.83	10
Tweed.....	45.51	.....	50	4.2	1.2	1.11	10
Uxbridge.....T	46.06	.....	50	3.6	1.2	1.11	10
Victoria Harbour.....	43.08	.....	60	2.8	1.0	1.11	10
Walkerton.....T	32.54	.....	50	3.6	1.1	1.11	10
Wallaceburg.....T	30.53	.....	60	2.6	0.8	0.83	10
Wardsville.....	45.65	.....	60	5.5	1.5	1.67	10
Warkworth.....	34.66	.....	50	4.0	1.2	1.11	10
Waterdown.....	26.17	.....	60	2.5	1.0	0.83	10
Waterford.....	26.07	.....	60	2.4	0.9	0.83	10
Waterloo.....T	23.92	.....	60	2.3	0.9	0.83	10
Watford.....	36.81	.....	60	3.3	1.0	1.11	10
Waubaushe.....	35.60	.....	55	3.0	1.0	1.11	10
Welland.....C	18.90	.....	60	2.8	0.9	0.83	10
Wellesley.....	35.25	.....	50	4.0	1.1	1.11	10
Wellington.....	35.13	33-66	50	2.5	1.25	0.83	10
West Lorne.....	34.82	.....	60	2.8	0.8	0.83	10
Weston.....T	23.08	.....	60	2.4	0.9	0.83	10
Westport.....	53.01	.....	45	5.0	2.0	1.94	10
Wheatley.....	38.59	.....	60	3.4	1.0	0.83	10
Whitby.....T	30.35	.....	60	2.8	1.0	0.83	10
Warton.....T	49.94	.....	50	3.2	1.0	1.39	10
Williamsburg.....	29.92	.....	60	2.0	0.8	0.83	10
Winchester.....	30.29	.....	60	2.4	1.2	0.83	10
Windermere.....	48.96	†33	..	5.0	2.0	†2.22	10
Windsor.....C	24.94	.....	60	3.3	0.8	0.83	10
Wingham.....T	46.02	.....	50	3.2	1.1	1.11	10
Woodbridge.....	26.79	.....	60	3.0	1.1	0.83	10
Woodstock.....C	24.16	.....	60	2.2	0.8	0.83	10
Woodville.....	46.64	.....	50	3.8	1.0	1.11	10
Wyoming.....	42.44	.....	60	3.3	0.9	1.11	10
York Twp.....	.....	33-66	60	2.0	1.3	0.83	10
Zurich.....	43.47	.....	60	4.2	1.0	1.39	10

*Where domestic service charge has not been abolished the charge is 33 cents per month per service when the permanently installed appliance load is under 2,000 watts and 66 cents per month when 2,000 watts or more.

aService charge per 100 sq. ft.

bPer kw-hr. for first 3 kw-hrs. per 100 sq. ft.

cFirst 90 hours' use 3 cents per kw-hr. Next 90 hours' use 1 cent per kw-hr.

"E"—Continued

Domestic Service—Commercial Light Service—Power Service
Served by The Hydro-Electric Power Commission

Commercial Light service					Power service							
Service charge per 100 watts min. 1,000 watts	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours' monthly use of demand	Service charge per h.p. per month	First 50 hrs. per month per kw-hr.	Second 50 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	\$ c.	%	\$ c.	\$ c.	cents	cents	cents	\$ c.	%	%
..	c3 & 1	1/3	0.83	10	.....	d D.C. A.C.	3.0 2.0	1.2 1.0	0.60 e 1/3 1/6	.....	.....	10
5	2.2	0.6	1.11	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
10	5.0	1.0	1.67	10	35.00	1.00	3.5	2.3	0.33	.....	.....	10
5	2.8	0.7	0.83	10	28.00	1.00	2.5	1.6	0.33	.....	.....	10
5	2.8	0.7	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	.....	10
5	2.6	0.8	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5	3.8	1.0	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	.....	10
5	3.0	0.9	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	.....	10
5	2.2	0.8	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	.....	10
5	2.4	0.9	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	.....	10
5	2.0	0.5	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5	5.0	1.0	1.67	10	42.00	1.00	4.6	3.0	0.33	.....	.....	10
5	3.0	1.0	1.11	10	32.00	1.00	3.1	2.0	0.33	.....	.....	10
5	2.0	0.5	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5	1.9	0.6	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
5	1.9	0.4	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5	2.9	0.9	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	.....	10
5	2.2	1.0	1.11	10	33.00	1.00	3.2	2.1	0.33	.....	.....	10
5	2.0	0.5	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
5	3.5	1.0	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	.....	10
5	2.5	1.0	0.83	10	34.00	1.00	3.4	2.2	0.33	.....	.....	10
5	2.3	0.5	0.83	10	25.00	1.00	2.0	1.3	0.33	.....	.....	10
5	1.6	0.4	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
5	5.0	1.0	1.94	10	45.00	1.00	4.9	3.3	0.33	.....	.....	10
5	3.0	0.9	0.83	10	30.00	1.00	2.8	1.8	0.33	.....	.....	10
5	2.3	0.6	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5	3.3	0.8	1.39	10	35.00	1.00	3.5	2.3	0.33	.....	.....	10
5	2.0	0.8	0.83	10	32.00	1.00	3.1	2.0	0.33	.....	.....	10
5	2.0	0.8	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5	5.0	2.0	†2.22	10	40.00	1.00	4.3	2.8	0.33	.....	.....	10
5	2.4	0.6	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5	2.6	0.8	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	.....	10
5	2.4	0.6	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5	1.8	0.4	0.83	10	16.00	1.00	1.5	0.9	0.33	.....	25	10
5	2.8	0.8	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	.....	10
5	3.0	0.8	1.11	10	32.00	1.00	3.1	2.0	0.33	.....	.....	10
5	2.0	0.75	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5	3.9	0.9	1.39	10	40.00	1.00	4.3	2.8	0.33	.....	.....	10

dD.C. service charge \$1.50 per kw. per month for first 7½ kw., plus \$1.05 per kw. for all additional demand.

A.C. service charge \$1.10 per kw. per month for first 7½ kw., plus \$0.90 per kw. for all additional demand.

e1/3 cent per kw-hr. for next 300 hours' use, plus 1/6 cent per kw-hr. for all additional.

†Over 10 kilowatt.

‡According to consumers' demand.

APPENDIX I

ACTS

CHAPTER 35

An Act to amend The Power Commission Act.

Assented to April 27th, 1939.

Session Prorogued April 27th, 1939.

HIS MAJESTY, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:

1.—(1) Subsection 1 of section 12 of *The Power Commission Act* is amended by striking out the word “shall” in the second line and inserting in lieu thereof the word “may”, and by striking out clause *c*, so that the said subsection shall now read as follows:

Rev. Stat.,
c. 62, s. 12,
subs. 1,
amended.

(1) An account to be known as the “stabilization fund account” may be opened and maintained on the books of the Commission and the Commission may place to the credit of such account,—

Stabiliza-
tion fund
account.

(a) such amounts as the Commission may determine and collect for the purposes of this section from its customers;

(b) interest at such rates as the Commission shall deem equitable and just upon balances remaining from time to time to the credit of the account.

(2) Subsection 2 of the said section 12 is repealed.

Rev. Stat.,
c. 62, s. 12,
subs. 2,
repealed.

2. *The Power Commission Act* is amended by adding thereto the following section:

Rev. Stat.,
c. 62,
amended.

33a. Where works of the Commission have been affixed to realty, they shall remain subject to the rights of the Commission as fully as they were before being so affixed unless otherwise agreed by the Commission in writing.

Ownership
of works
retained.

3. Section 71 of *The Power Commission Act* is repealed and the following substituted therefor:

Rev. Stat.,
c. 62, s. 71,
re-enacted.

Contracts
for supply
of power.

71.—(1) Subject to the approval of the Lieutenant-Governor in Council, the Commission may contract with the corporation of a township, or townships, or with the corporations of two or more townships, for the supply and distribution by the Commission of electrical power in the township or townships.

Defining
areas.

(2) The Commission may lay out and define areas, called "rural power districts," in the township or townships for the distribution of electrical power.

Commission
acts for
corporation.

(3) The Commission may, on behalf of the corporation,—

(a) acquire, construct, extend, reconstruct, hold, maintain, operate and administer all lands and works necessary for the transmission to and the transforming and distributing in, any such rural power district of electrical power;

(b) supply electrical power to any customer of the corporation or at any premises in any such rural power district;

(c) perform, enjoy and enforce all contracts in which the corporation agrees to supply or sell electrical power to any customer or at any premises in such rural power district.

Alterations
of boundary.

(4) The Commission may unite any two or more rural power districts in one rural power district and may join into a rural power district or may include in a rural power district one or more townships or any part or parts thereof whether already part of any rural power district or not and may alter the boundaries of any rural power district.

Signing of
contracts.

(5) Contracts in which the municipal corporation agrees to supply or sell electrical power shall be sufficiently executed on behalf of the corporation if signed by its clerk or by such other officer as may be designated by the council of the corporation.

Powers
given to
Commission.

71a. For the purposes of this Part, the Commission may exercise any of the powers which the Commission may exercise or be authorized to exercise under Part I.

Rev. Stat.,
c. 62, s. 76,
subs. 3,
amended.

4. Subsection 3 of section 76 of *The Power Commission Act* is amended by striking out all the words in the first two lines and inserting in lieu thereof the words "In any such area, the Commission may," and by inserting after the word "all" in the second line of clause *a* the words "lands and", so that the said subsection shall now read as follows:

Supply of
power.

(3) In any such area, the Commission may,—

(a) acquire, construct, extend, reconstruct, hold, maintain, operate and administer all lands and works necessary for the transmission to and the transform-

ation and distribution and supply of electrical power or energy in any such area;

(b) distribute and supply electrical power or energy in any such area;

(c) contract with any person, firm or corporation for the supply of electrical power or energy in any such area.

5. Section 77 of *The Power Commission Act* is amended by adding at the end thereof the words, "except where the contract is with a municipal corporation for the supply of power from any of the works mentioned in section 47," so that the section shall now read as follows:

Rev. Stat.,
c. 62, s. 77,
amended.

77. All the provisions of Part II as to the annual payments to be made by the corporations which have entered into contracts with the Commission shall apply to a contract entered into under this Part, and shall extend to the works constructed under the contract for transforming, distributing and supplying electrical power or energy in a rural power district except where the contract is with a municipal corporation for the supply of power from any of the works mentioned in section 47.

Application
of Part II
as to annual
payments.

6. Section 78 of *The Power Commission Act* is amended by striking out all the words after the word "Commission" in the third line and inserting in lieu thereof the words, "under this Act," so that the section shall now read as follows:

Rev. Stat.,
c. 62, s. 78,
amended.

78. The rates to be charged to customers receiving electrical power or energy from the Commission in a rural power district shall be fixed by the Commission under this Act.

Rates to be
fixed by
Commission

7. By-law number 1072 of the corporation of the town of Arncliffe; By-law number 582 of the corporation of the village of Beamsville; By-law number 660 of the corporation of the village of Millbrook; By-law number 579 of the corporation of the village of Newcastle; By-law number 1030 of the corporation of the township of Clarke, and all debentures issued or to be issued or purporting to be issued under any of the said by-laws are confirmed and declared to be legal, valid and binding upon the said corporations and the ratepayers thereof respectively, and shall not be open to question upon any ground whatsoever notwithstanding the requirements of *The Power Commission Act* or *The Municipal Act* or any amendments thereto or any other general or special Act of this Legislature.

By-laws
confirmed.

8. By-law number 132 for the year 1937 of the corporation of the city of Windsor and the agreement between the said corporation and The Windsor Utilities Commission thereby authorized are confirmed and declared to be legal, valid and binding upon the said corporation and the ratepayers thereof and The Windsor Utilities Commission.

By-law
confirmed.

9. This Act may be cited as *The Power Commission Amendment Act, 1939*.

Short title.

CHAPTER 41

An Act to amend The Rural Hydro-Electric Distribution Act.

*Assented to April 27th, 1939.
Session Prorogued April 27th, 1939.*

HIS MAJESTY, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:

Rev. Stat.,
c. 64, s. 1,
amended.

1. Section 1 of *The Rural Hydro-Electric Distribution Act* is amended by striking out the words "municipality or commission" in the fourth and fifth lines and inserting in lieu thereof the words "commission or municipal corporation," and by striking out all the words after the word "cost" in the seventh line and inserting in lieu thereof the words "of acquiring and constructing in the rural power district, lands and works, including plant, machinery, installations, materials, devices, fittings, apparatus, appliances and equipment, for the supply of power to any customer or premises up to the point of delivery by such commission or corporation," so that the said section shall now read as follows:

Grants in
aid of dis-
tribution
works in
rural power
districts.

Rev. Stat.,
c. 62,

1. Upon the recommendation of The Hydro-Electric Power Commission of Ontario and the order of the Lieutenant-Governor in Council, the Treasurer of Ontario may pay out of the Consolidated Revenue Fund to any commission or municipal corporation distributing power in a rural power district under the provisions of *The Power Commission Act*, a sum not exceeding fifty per centum of the capital cost of acquiring and constructing in the rural power district, lands and works, including plant, machinery, installations, materials, devices, fittings, apparatus, appliances and equipment, for the supply of power to any customer or premises up to the point of delivery by such commission or corporation.

Rev. Stat.,
c. 64, s. 3,
amended.

2. Section 3 of *The Rural Hydro-Electric Distribution Act* is amended by striking out the words "municipal corporations or commissions" in the first line and inserting in lieu thereof the words "any commission or municipal corporation," so that the said section shall now read as follows:

Grants
chargeable
to capital
account.

3. All sums paid to any commission or municipal corporation under the authority of section 1 or section 2 shall be chargeable in the books of the Treasurer of Ontario as expenditure upon capital account.

Short title.

3. This Act may be cited as *The Rural Hydro-Electric Distribution Amendment Act, 1939.*

SECOND SESSION 1939

CHAPTER 8

The Power Control Act, 1939

*Assented to September 22nd, 1939.
Session Prorogued September 22nd, 1939.*

HIS MAJESTY, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:

1. In this Act,—

Interpre-
tation.

- (a) "Commission" shall mean The Hydro-Electric Power Commission of Ontario. <sup>"Com-
mission";</sup>
- (b) "land" shall mean real property of whatsoever nature or kind, and shall include tenements, hereditaments and appurtenances, any estate, term, easement, right or interest in, to, over, under or affecting land, and water rights, water powers and water privileges; ^{"land";}
- (c) "owner" shall include mortgagee, lessee, tenant, occupant, or any person entitled to any estate or interest in land or works, and a guardian, committee, executor, administrator or trustee in whom land or works or any property or interest therein is vested; ^{"owner";}
- (d) "power" shall include hydraulic, electrical, steam or other power and shall also include energy; ^{"power";}
- (e) "regulations" shall mean regulations made under this Act; ^{"regulations";}
- (f) "supply" shall include delivery, dealing in, and sale; and ^{"supply";}
- (g) "works" shall include all property, plant, machinery, installations, materials, devices, fittings, apparatus, appliances and equipment constructed, acquired or used in the generation, transformation, transmission, distribution, supply or use of power. ^{"works".}

Powers of
Commission.

2. The Commission shall have authority to regulate and control the generation, transformation, transmission, distribution, supply and use of power in Ontario, and, without limiting the generality of the foregoing, the Commission may,—

- (a) restrict or prohibit the supply or use of any power or the supply or use of power to or by any person and divert or apportion power or give priority or preference to any user of power in order to effect, what is in the opinion of the Commission, the most economical, efficient and equitable use and distribution of power;
- (b) direct any owner to generate or supply power at any specified rate not exceeding the full capacity of his works;
- (c) hear and decide any dispute between any owner and any user of power concerning any matter over which the Commission has jurisdiction under this Act and make such direction as it deems proper in accordance with its decision;
- (d) decide and direct to whom, at what prices and under what conditions power may be supplied; and
- (e) do such acts and give such directions as may be necessary for the carrying out or enforcement of the provisions of this Act and the regulations.

Regulations.

3. Subject to the approval of the Lieutenant-Governor in Council, the Commission may make regulations,—

- (a) requiring any owner to furnish to the Commission information regarding,—
 - (i) his land and works including the capacity, output, cost and use thereof;
 - (ii) his assets, liabilities, revenues, expenses and operations; and
 - (iii) the supply of power by him to other persons including particulars of quantities, prices, terms, conditions, points of delivery and use;
- (b) requiring any person to furnish to the Commission information regarding the supply of power to him, including particulars of quantities, prices, terms, conditions, points of delivery and use, and by whom supplied;
- (c) prescribing the manner of deciding and determining preferences and priorities in the supply and use of power and providing for the apportioning of power among different users or classes of users and the diversion of power from one or more users or classes of users to other users or classes thereof;

- (d) restricting or prohibiting the supply or use of power for any particular purpose;
- (e) providing for the setting of prices at which and for the fixing of terms and conditions under which power may be supplied in Ontario, either generally or for one or more users or classes of users;
- (f) providing for the entry upon and inspection of land and works including the making of inventories and valuations thereof, the examination of books, accounts, records and documents relating thereto and generally the obtaining of information in connection therewith; and
- (g) generally for the carrying out of the provisions of this Act.

4. When any owner or other person is unable to supply power under any contract or obligation because of compliance with this Act or the regulations or any direction of the Commission made thereunder, such owner or other person shall be relieved from all liability for his failure to supply power on account of such inability. Protection for failure to supply.

5.—(1) Where the Commission is satisfied that any owner is not using his land and works, or either of them, to full capacity or best advantage for the generation or supply of power or is neglecting or refusing to comply with any direction of the Commission or the provisions of this Act or the regulations, the Commission may purchase or acquire and may, without the consent of the owner, enter upon, take and expropriate any of his lands or works which it may deem necessary for the generation, transformation, transmission, distribution or supply of power. Acquisition of land and works.

(2) Where lands or works are purchased, acquired, entered upon, taken or expropriated under this section the Commission, in its discretion, may acquire absolute title or a limited estate, right or interest therein either on a rental basis or otherwise as it deems desirable in the circumstances provided that whether or not it acquires absolute title to any such land or works, the Commission may use such land and works in such manner as it deems proper and may divert water therefrom, close, repair, rehabilitate, extend, improve or reconstruct such works and may construct other works in lieu thereof or in addition thereto. Title acquired.

(3) The provisions of *The Power Commission Act* and *The Public Works Act* as to the purchase, acquisition, entry upon, taking and expropriation of land and the fixing, payment, and application of compensation therefor shall apply *mutatis mutandis* to the purchase, acquisition, entry upon, taking and expropriation of land and works under this Act, provided that where any of the provisions of *The Power Commission Act* conflict with any of the provisions of *The Public Works Act*, the former shall prevail. Manner of expropriation. Rev. Stat., cc. 62; 54.

Penalties.

6.—(1) Every owner or other person who violates any of the provisions of this Act or the regulations or who neglects or refuses to comply with any direction of the Commission shall be liable for a first offence, to a penalty not exceeding \$5,000, for a second offence, to a penalty not exceeding \$10,000 and for a subsequent offence, to a penalty not exceeding \$25,000, and where such owner or other person is a corporation, the president, directors and the manager or other person in charge shall each be personally liable to a similar penalty.

Recovery of
penalties.
Rev. Stat.,
c. 136.

(2) The penalties imposed by this section may be recovered under the provisions of *The Summary Convictions Act* and shall be payable to the Commission.

Other
powers of
Commission.

7.—(1) In exercising or performing any power or duty conferred or imposed upon it by this Act or the regulations the Commission shall have and may exercise any authority, right, power, privilege or immunity which it possesses under *The Power Commission Act* or any other Act or under any other authority.

Rev. Stat.,
c. 62.

Idem.

(2) The powers conferred by this Act shall be deemed to be in addition to and not in derogation of any power conferred upon the Commission by any other Act, but where the provisions of any other Act conflict with the provisions of this Act the latter shall prevail.

Commence-
ment of Act.

8. This Act shall come into force on the day upon which it receives the Royal Assent.

Short title.

9. This Act may be cited as *The Power Control Act, 1939*.

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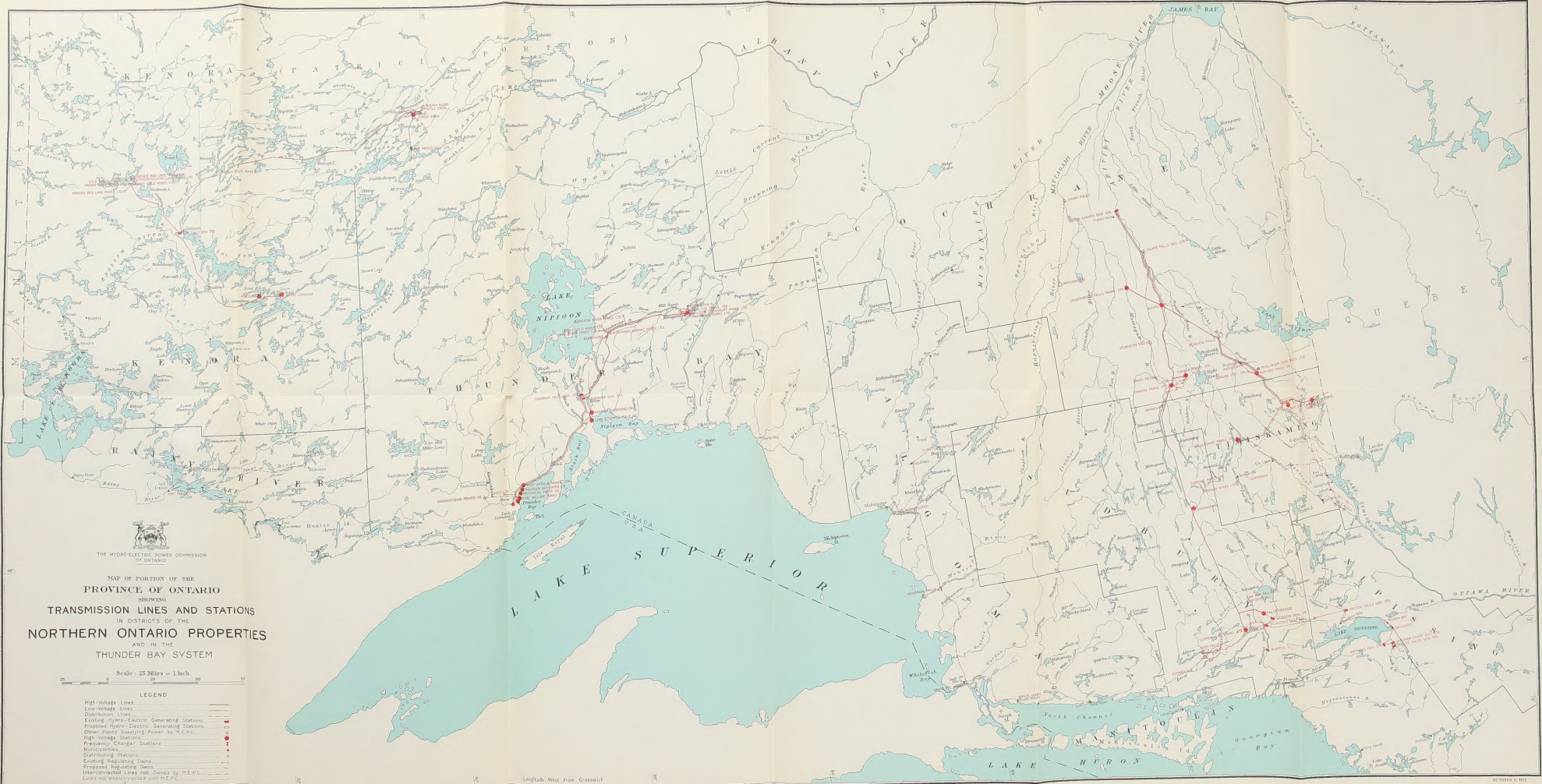
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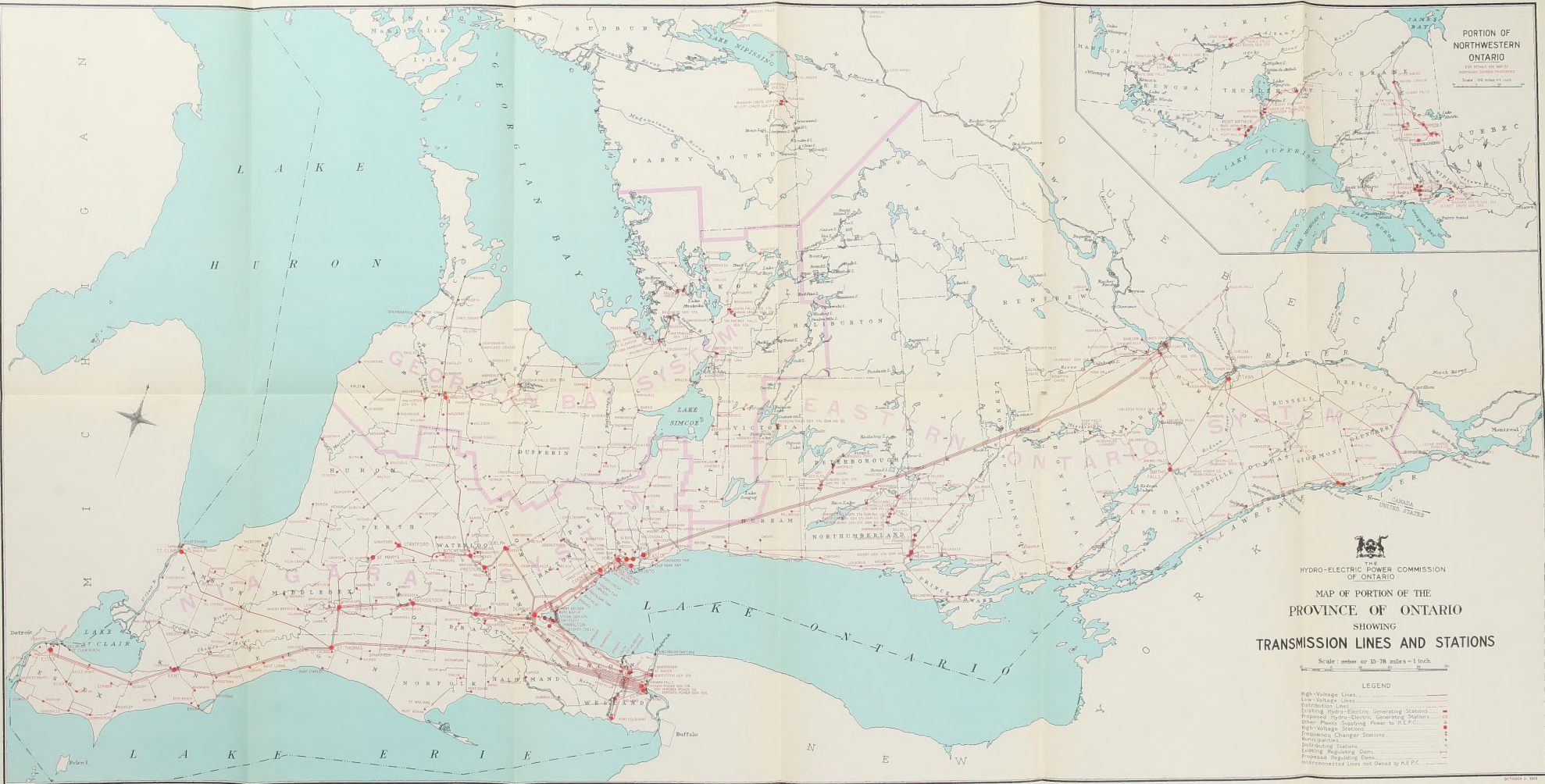


MAP OF PORTION OF THE
PROVINCE OF ONTARIO
SHOWING
TRANSMISSION LINES AND STATIONS
IN DISTRICTS OF THE
NORTHERN ONTARIO PROPERTIES
AND IN THE
THUNDER BAY SYSTEM

Scale: 25 Miles = 1 Inch

LEGEND

- High-Voltage Lines
- Low-Voltage Lines
- Existing Hydro-Electric Generating Stations
- Proposed Hydro-Electric Generating Stations
- Other Plants Supplying Power to H.E.C.
- High-Voltage Stations
- Frequency-Changer Stations
- Substations
- Existing Regulating Dams
- Proposed Regulating Dams
- Interconnected Lines not Owned by H.E.C.
- Lines not interconnected with H.E.C.



PORTION OF
NORTHWESTERN
ONTARIO
FOR THE PURPOSE OF
SHOWING CANADIAN PROPERTIES
Scale, 100 miles to 1 inch



THE
HYDRO-ELECTRIC POWER COMMISSION
OF ONTARIO
MAP OF PORTION OF THE
PROVINCE OF ONTARIO
SHOWING
TRANSMISSION LINES AND STATIONS

Scale: inches or 15-78 miles = 1 inch

- LEGEND
- High-Voltage Lines
 - Low-Voltage Lines
 - Interconnecting Lines
 - Existing Hydro-Electric Generating Stations
 - Proposed Hydro-Electric Generating Stations
 - Other Plants Supplying Power to H.E.P.C.
 - High-Voltage Stations
 - Frequency Changer Stations
 - Municipalities
 - Subdividing Stations
 - Existing Regulating Dams
 - Proposed Regulating Dams
 - Interconnecting Lines not owned by H.E.P.C.

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